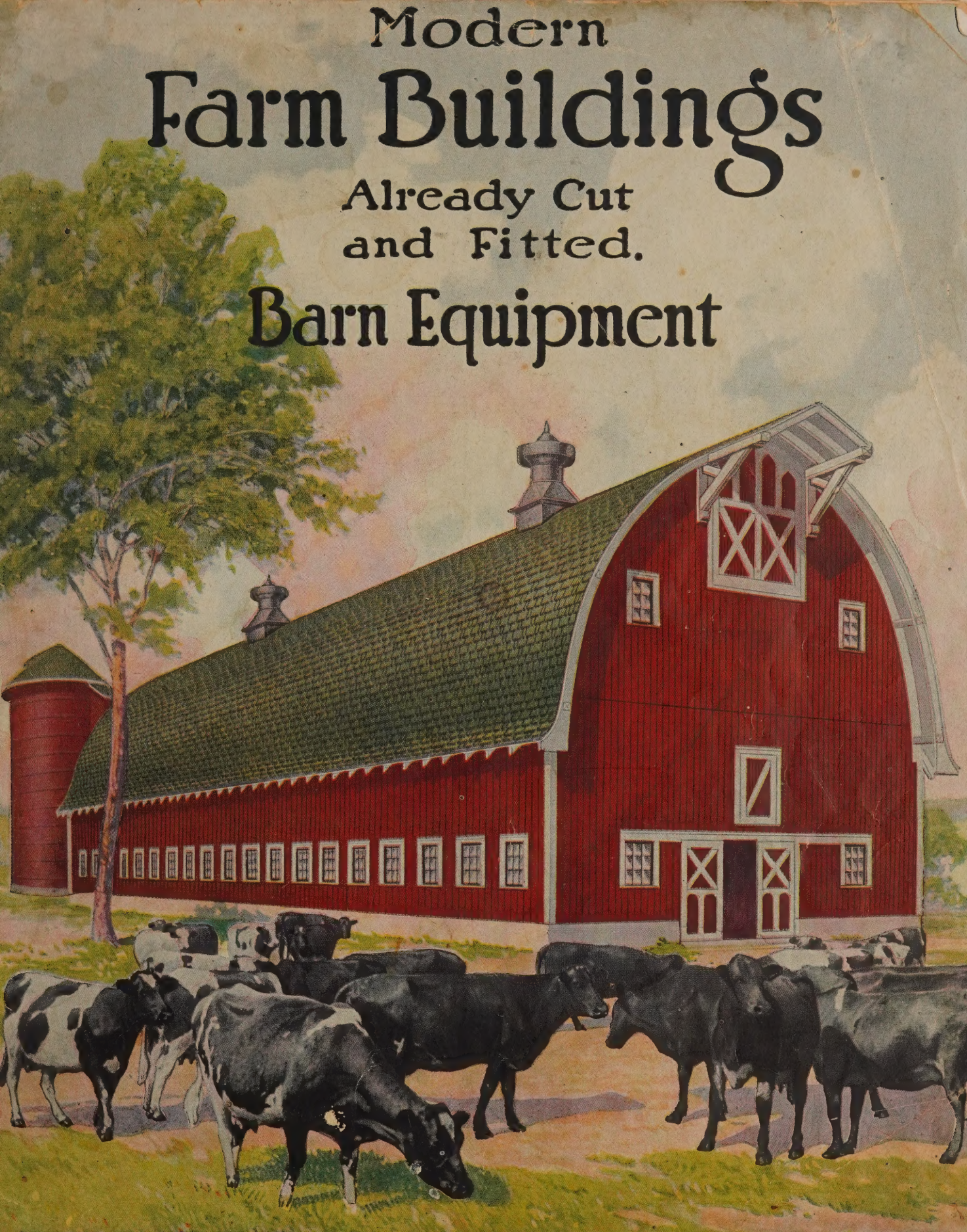
Modern Farm Buildings

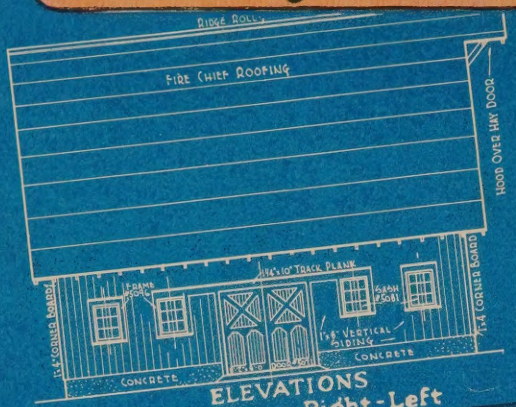
Already Cut and Fitted.

Barn Equipment



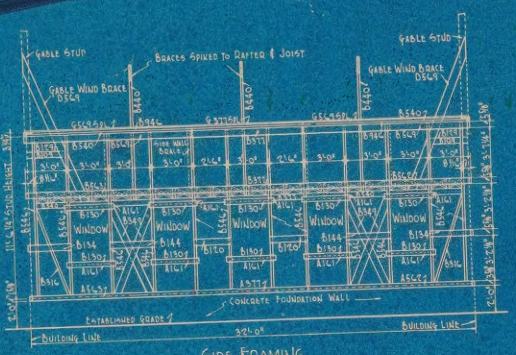
Sears, Roebuck and Co., Chicago-Philadelphia

THIS SERVICE IS FREE
To Buyers of Honor Bilt Barns



ELEVATIONS
Front - Rear - Right - Left

END ELEVATIONS



SIDE FRAMING
SECTION 203

ERECTION PLANS
Locating Ready Cut Lumber

Architects' Council

Where else is a barn plan given the careful study and the benefit of expert advisers such as these? This Council consists of a practical barn architect and a corps of able assistants who understand the requirements of the farmer.

The erection of a new barn is an event that usually comes but once in a lifetime. To help you build SUCCESSFULLY, without unnecessary trouble or extra expense, is our sole purpose and aim in offering you the services of our Farm Building Department.

Every man in this organization is an authority in his work and has specialized in barn construction and grappled with farm problems for many years. They know your needs—the requirements of your stock and will give you a building combining utility with economy and strength—a barn that will display good architectural design and at the same time be practical and convenient.

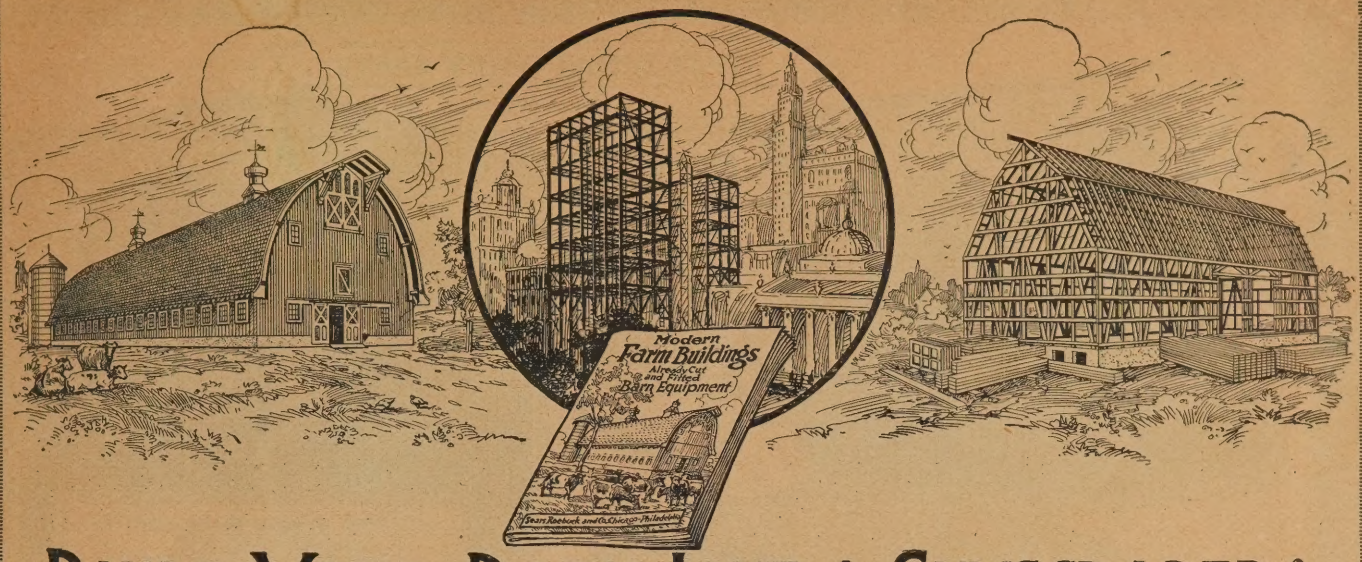
Blue printed working plans are furnished with your order for an "HONOR BILT" barn. Our plans are COMPLETE—even the smallest details are clearly shown. Every piece of framing lumber, cut to exact measure (see pages 32 and 33), is shown and marked with numbers to correspond to numbers on the lumber itself. All guesswork is eliminated. You can see where every piece belongs and can make every minute count in the actual erection of your barn. One reason why "The HONOR BILT Way" will save over half the cost of labor.

But that's not all! With this "HONOR BILT" plan service, you get a "Certificate of Guarantee" that takes all of the worry out of building. You know before you start how much your building will cost complete. One price covers everything—there are NO EXTRAS when you build your barn the "HONOR BILT" way.

The barns we offer in this catalog are designed to meet any demand for interior arrangement. They have been built many times over and actual experience proves that they are correct. You will have no difficulty in selecting a barn that meets your requirements, the interior of which can of course be arranged to take care of your own needs.

Use the sketch sheet enclosed to indicate the floor arrangement you have in mind. Be sure to mention the size barn and the amount of stock you wish to house. We will then tell you how your ideas can be carried out to the best advantage and what your barn will cost delivered to your freight station.

Copyright 1925 by Sears, Roebuck and Co.



BUILD YOUR BARN LIKE A SKYSCRAPER!

BUILD YOUR new barn right! Fortify yourself with the same scientific certainty that marks the towering skyscraper—the great bridge—the powerful ocean liner—the certainty of standardization. Let others take a chance with the "hit or miss," old fashioned and wasteful methods of construction—but build your barn the "HONOR BILT" Already Cut and Fitted way.

This is the day of standardization — of efficiency—of "made to measure" and "Cut to Fit" perfection. The American farmer today, more than ever before, knows that the same successful building practices that have made possible the quick and economical erection of the modern office and factory building, can be applied equally well to the erection of his factory—the farm barn.

Farming today is a business just like any other industrial activity and good management is an essential for every business success. A new barn represents an expenditure which should be viewed as an investment that will pay full interest.

Under conditions existing today, the good business farmer knows that to keep the cost of his barn within the bounds allowed by conservative business management, he should profit by the example of some of our successful industrial plants.

The same scientific principles involved in the planning and construction of the skyscraper—the modern factory—are applied to the "HONOR BILT" barns offered in this book.

By a judicious selection of materials, the advantageous use of them and modern methods of construction, we have reduced the ultimate cost to give full returns on the initial investment.

All of the framing lumber is carefully Cut and Fitted on electrically driven machinery; absolutely true cuts that give perfect joints are the result. The doors and windows are factory made, ready to hang. Waste materials and waste labor have been eliminated. On pages 10 and 11 you have the proof that a saving of nearly one-half in carpenter labor alone is actually possible.

"HONOR BILT" barns, moreover, are designed to meet as nearly as possible the needs of the American farmer. The Modern Barn is rapidly becoming standardized and the three designs described on pages 5, 6 and 7 are illustrations of actual construction by practical men. They will meet almost any demand for interior arrangement.

AVERY LIBRARY
COLUMBIA UNIVERSITY

BUILT BY OUR CUSTOMERS

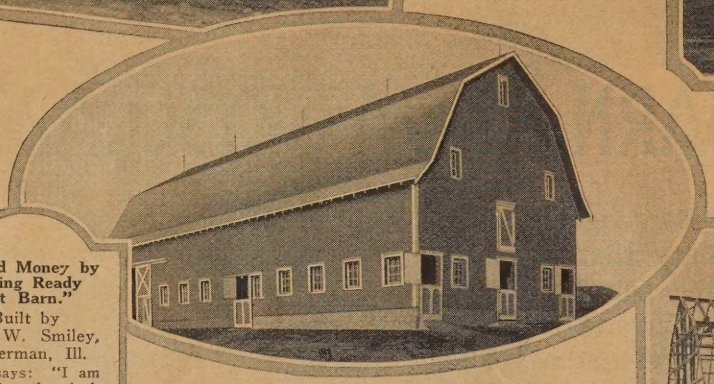
READ WHAT THEY SAY

Saved $300.00.
Built by
P. A. Hagan,
Bath, Maine.

He says: "Quality of material good, and the service entirely satisfactory. The Barn is very strong and rigid and I estimate a saving of two to three hundred dollars in building. On the whole, I am very well satisfied with service received."

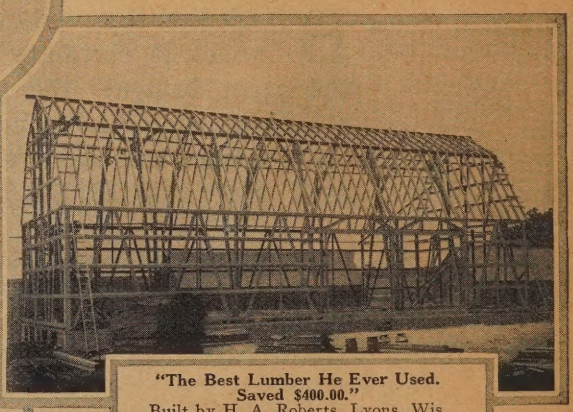
"The Strongest and Best."
Built in Wisconsin by
Frank Kunkel, Dubuque, Iowa.

He says: "It is one of the strongest and best built barns in the southwestern part of Wisconsin. It carries the best grade of material and I am well pleased with it."



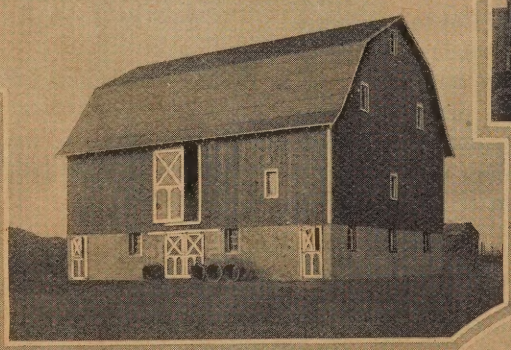
"Saved Money by Buying Ready Cut Barn."
Built by
John W. Smiley,
Waterman, Ill.

He says: "I am well pleased with the Already Cut Barn that I bought of you, and the lumber, hardware, paint and all the furnishings. I saved money by getting an Already Cut Barn.



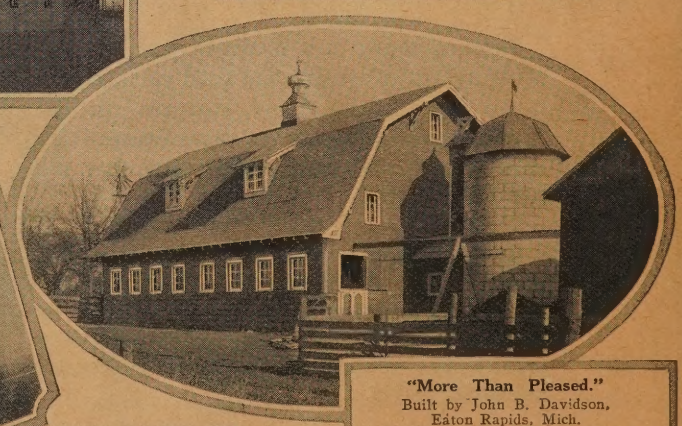
"The Best Lumber He Ever Used. Saved $400.00."
Built by H. A. Roberts, Lyons, Wis.

He says: "It is without doubt the best material I have ever seen. Your working plans are easily understood, and my barn went up without a hitch. I saved at least $400.00 and have the best looking barn in this part of the country."



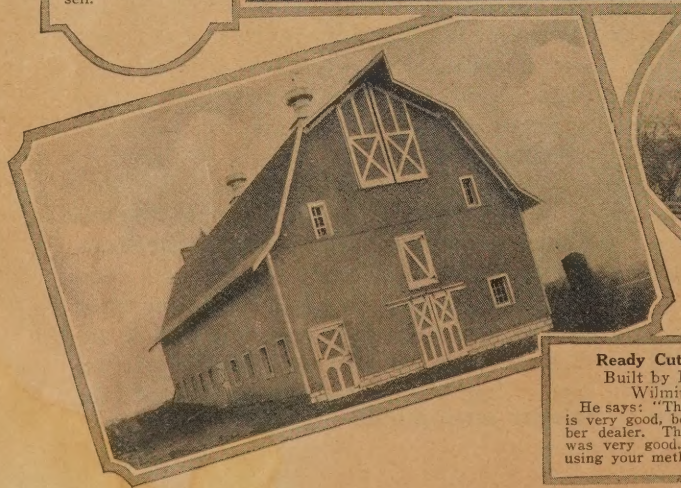
Another Booster.
Built by
J. C. Losinger,
Morley, Mich.

He says: "I have my barn completed and surely enjoy the convenience. You may rest assured that I will boost Sears, Roebuck and Co. whenever the opportunity presents itself."



"More Than Pleased."
Built by John B. Davidson,
Eaton Rapids, Mich.

He says: "I wish to thank you for the barn which I bought from you. It is satisfactory in every way and I am more than pleased with it."



Ready Cut System Good.
Built by H. J. Taggart,
Wilmington, Del.

He says: "The quality of materials is very good, better than from lumber dealer. The service I received was very good. I saved money by using your method of construction."

AT SUBSTANTIAL SAVINGS

READ WHAT THEY SAY

"Carpenter's Bill Only $100.00. Because It Was Ready Cut."

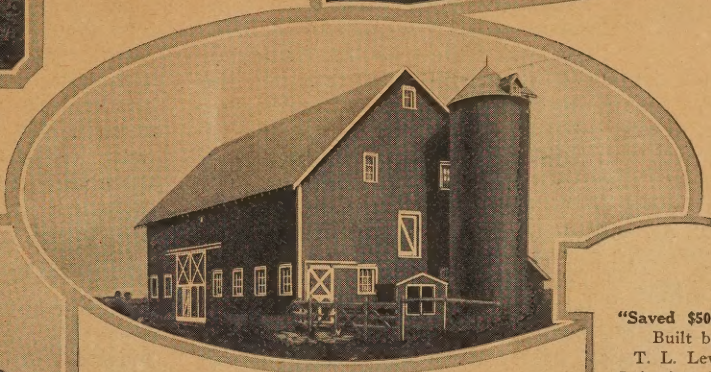
Built by Otto Prigge, Stockton, Minn.

He says: "The material was first class and my carpenter charged me only $100.00 to build the barn. Our house is also under construction, and when all is finished we shall be proud of our **Sears-Made** Farmstead."

"Material First Class. Saved $600.00."

Built by Wm. Weatherby, Howard City, Mich.

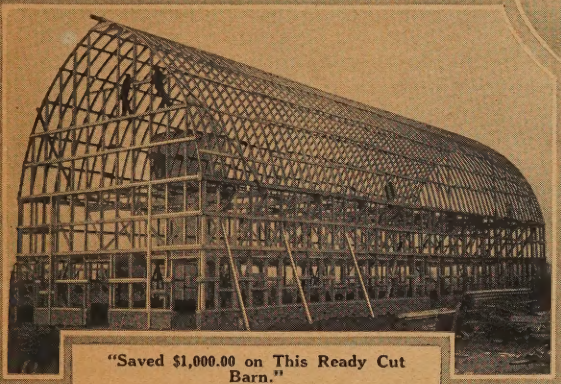
He says: "I am fully satisfied with the barn bought from you. The material was first class, the construction is all right and I saved about $600.00 in buying of you."



"Saved $500.00."

Built by T. L. Lewis, Lakeview, Mich.

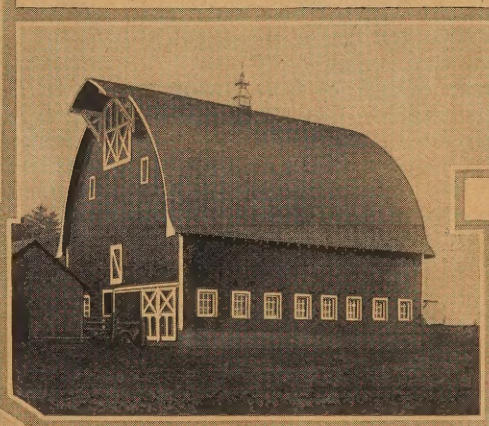
He says: "We are well pleased with the barn and the way you treated us. We saved about $500.00 by buying from you."



"Saved $1,000.00 on This Ready Cut Barn."

Built by Geo. Kirchner, Mgr., Maple Lane Farm, Kewanna, Ind.

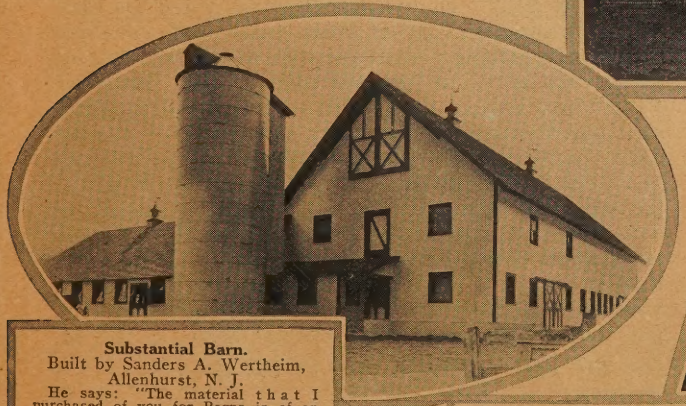
He says: "Each piece of lumber fits in its place so well that any handy man can erect a building without the assistance of experts. We saved at least $1,000.00."



"A Big Success. Quality, Service, Price."

Built by L. D. Coulter, Ohio, Ill.

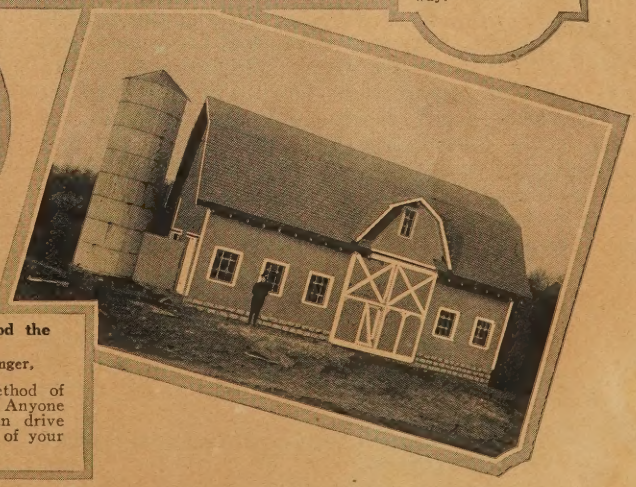
He says: "I am very well pleased with the barn purchased of you and I am sure that I could not have gotten the material any other place for the price I paid. I think the round roofs are a success in every way."



Substantial Barn.

Built by Sanders A. Wertheim, Allenhurst, N. J.

He says: "The material that I purchased of you for Barns is of an excellent quality and the buildings are very substantial. I believe I saved considerable by purchasing from you, as your material prices are much less than I would have paid otherwise, considering the quality of the material."



"'Honor Bilt' Method the Easy Way."

Built by John Baldinger, Wabash, Ind.

He says: "Your method of building is very easy. Anyone who can read and can drive nails could put up one of your barns."

What an "Honor Bilt" Barn Means to You

General Specifications of Material and Construction

A GOOD farm is worth good buildings, and a well constructed, well lighted and well equipped barn is a necessity on every farm.

THE NEED OF A GOOD BARN No investment the farmer makes brings a greater return than a good barn. The time has passed when any farmer can afford to say, "I'll get along a year or two more before I build the barn I need." Nowadays the marketable value of farm crops is too big, and the labor needed to produce them is worth too much, to allow them to depreciate on account of poor storage facilities. The man who lets his live stock and high priced farm implements suffer for the lack of a new barn is simply throwing his money away.

CONTENTED HELP Today, moreover, farm labor commands a good wage and is independent. Unless you can keep your farm hands contented, they will shift about like the wind—here today, there tomorrow. To keep a good farm hand or even your own boy on the farm, you must keep him satisfied. Making the barn a bright, cheery and up to date place to work in is a means to that end. Don't lose sight of the fact that such a barn means more work actually done, and the end of the season will find you with a larger balance in the bank.

TESTED AND PROVED PLANS The "HONOR BILT" farm buildings offered in this book are a presentation of buildings actually constructed by practical men who know the needs of the American farmer and the requirements of his stock. They represent for the most part the best plans and ideas of construction contributed by the thousands of progressive farmers who write to us every year.

YOUR NEEDS CONSIDERED A large variety of farm buildings are illustrated. Our study of rural requirements convinced us that conditions in the various sections of the country and on different farms were not sufficiently alike so that any one type, design or plan of barn would meet the demand of every farmer. The man building a new barn, just like his neighbor building a new farm home, has his own individual problems to work out and his own ideas and tastes to satisfy. "HONOR BILT" barns, therefore, have been designed to meet every demand for interior plan and can be furnished with any desired arrangement of the doors and windows and in almost any length and width.

ECONOMICAL CONSTRUCTION Barn building, so far as the designing of the frame is concerned, has really been standardized. The three types of construction shown and described on the following pages represent typical examples of plank frame construction generally used today and recommended by every authority on the subject of barn building. There is a distinct advantage and a saving of cost of the completed barn in the plank frame type of construction. It saves in the cost, because the framing lumber used is 2 inches in thickness, is more easily handled on the job, takes less time to erect and, what is more important, requires no skilled labor to construct, as all of the framing is Cut to Fit on modern machinery at our factory.

QUALITY FRAMING LUMBER The same care and consideration used in the selection of the most suitable types of construction is also used in specifying the kinds of materials to be used. Without the best materials the most careful workman couldn't build a rigid and permanent barn. Prominent barn men all agree and actual experience and statistics of the U. S. Department of Agriculture prove that Long Leaf Yellow Pine is the strongest and most suitable lumber obtainable for barn building. The popularity of Long Leaf Yellow Pine is largely due to the fact that, better than any other lumber, it possesses the natural properties to resist the strains that produce the stresses of tension, compression and shear in the right proportion. It is without doubt the most workable and economical all purpose building material on the market today, and will give a lifetime of honest service.

WEATHER RESISTING SIDING The quality of the lumber to be used for the outside walls of the barn needs just as much attention as the quality of material used for the frame of the barn. But while strength of material is the principal requirement that governs the selection of the framing lumber, resistance to weather exposure is the chief requirement in the selection of lumber for the outside siding. We know of no higher quality of weather resisting lumber than that found in CYPRESS, "THE WOOD ETERNAL." The superiority of Cypress over other woods as a weather resisting material is well known. Bulletin No. 272 of the U. S. Department of Agriculture states that Cypress Farm Buildings are in excellent preservation after 100 to 200 years, and others of like character are frequently reported.

DISTINCTIVE FEATURES For a full description of the different grades and patterns of siding, doors, windows, hardware and paint, refer to pages 8, 9, 37 and 38, also to the "HONOR BILT" quality specifications given for each barn. A careful study of these details will convince you that in placing your order with us you are getting every cent of value for your money. An "HONOR BILT" barn is your safeguard, as only the best materials and the most skilled workmanship enter into its construction. Remember, we are not selling a cheap barn, but a really up to date, modern, quality building, for the least amount of money. Only our great resources and our extensive building experience enable us to quote the low prices in this catalog. Remember that every piece of framing lumber you receive for your barn is "Already Cut and Fitted" and that you get complete plans showing exactly where it will fit.

GET OUR LOW—FREIGHT-PAID—"DIRECT TO YOU" PRICE ON YOUR BARN

OPTIONAL ITEMS.

On account of difference in requirements and arrangement of floor plans, we have NOT INCLUDED the following items in our catalog prices:

Ventilators, Cupolas and Ventilating Systems. (See page 39.)

Material for ground floors, because it may be desired to make them of concrete.

Inside Lining of the ground floor and ceiling.

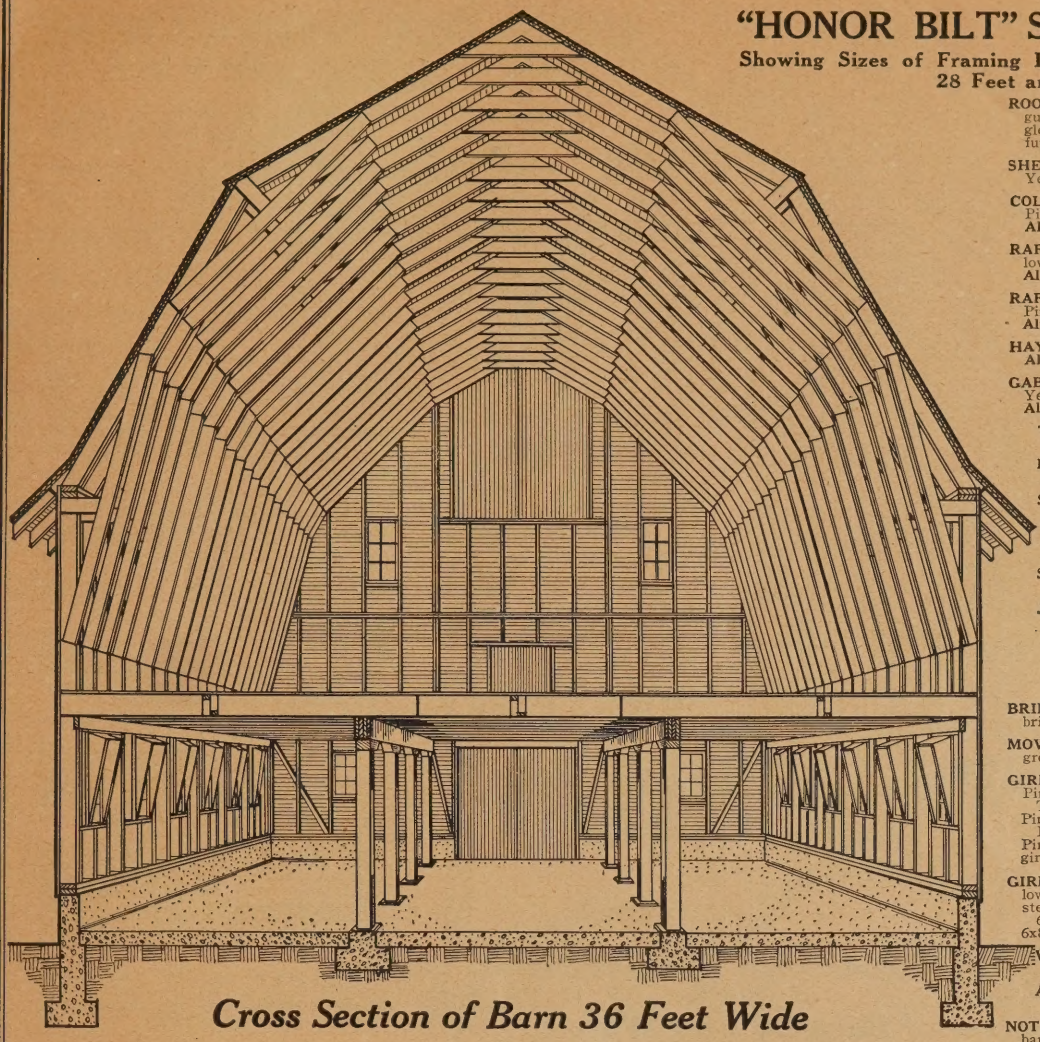
Barn Equipment, such as stalls, partitions, bins, hay racks, hay carriers.

Special prices for such items will be quoted on application.

All prices quoted in this book are for material loaded on the cars at our factory or yards.
Lumber and Mill Work for farm buildings are quoted loaded on the cars at our yards in SOUTHERN ILLINOIS.
Hardware, Paint and other Accessories are quoted loaded on the cars at CHICAGO, ILL.

"HONOR BILT" SPECIFICATIONS

Showing Sizes of Framing Lumber Furnished for Barns 28 Feet and Wider.



Cross Section of Barn 36 Feet Wide

ROOFING—Fire-Chief Shingle Roll Roofing, guaranteed 17 years. Asphalt strip shingles or heavy 5 to 2 Red Cedar Shingles furnished if preferred.

SHEATHING—1x6-inch tongued and grooved Yellow Pine roof sheathing.

COLLAR BEAMS—2x6-inch No. 1 Yellow Pine, spiked to every set of rafters. **Already Cut and Fitted.**

RAFTERS—All rafters 2x6-inch No. 1 Yellow Pine, spaced 22⅝ inches apart. **Already Cut and Fitted.**

RAFTER BRACES—2x6-inch No. 1 Yellow Pine spiked to every set of rafters. **Already Cut and Fitted.**

HAY BEAM—2x8-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

GABLE WIND BRACE—2x10-inch No. 1 Yellow Pine, two furnished in each gable. **Already Cut and Fitted.**

TOP PLATE—Double 2x6-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

RAFTER ENDS—2x4-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

STUDS—2x6-inch No. 1 Yellow Pine, spaced 22⅝ inches apart. **Already Cut and Fitted.** Studs tripled at all corners and under girders. Double studs at all door openings.

SIDING—Yellow Pine or Cypress drop siding.

JOISTS—2x8-inch No. 1 Yellow Pine for barns 32 feet and less in width. **Already Cut and Fitted.**
Barns over 32 feet in width have 2x10-inch No. 1 Yellow Pine joists. **Already Cut and Fitted.** All joists spaced 22⅝ inches apart.

BRIDGING—Each span of joists cross bridged with 1x3-inch No. 1 Yellow Pine.

MOW FLOOR—1x6-inch tongued and grooved No. 1 Yellow Pine.

GIRDERS—3 pieces 2x8-inch No. 1 Yellow Pine for barns 28 feet wide.
Three pieces 2x10-inch No. 1 Yellow Pine for barns 30 and 32 feet wide.
Four pieces 2x10-inch No. 1 Yellow Pine for barns wider than 32 feet. All girders **Already Cut and Fitted.**

GIRDER POSTS—6x6-inch solid No. 1 Yellow Pine with 6x6-inch Yellow Pine bolsters for barns 28 to 32 feet wide.
6x8-inch solid No. 1 Yellow Pine with 6x8 bolsters for barns over 32 feet wide.

WALL PLATE—Double 2x6-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

ANCHOR BOLTS—½x16-inch complete with washers.

NOTE—These specifications do not apply to barns under 28 feet in width. For the smaller barns the framing lumber has been reduced in size, but is of ample dimension to insure the necessary strength and rigidity.

Gambrel Roof Braced Rafter Barn

All Framing Lumber Already Cut and Fitted

The framing of the barn, especially the barn roof, is one of the most important problems in the design and construction of the farm barn. One of the most approved methods of plank frame construction is illustrated above.

The popularity of this type of barn framing is due largely to the fact that no large or heavy timbers are required and this makes it easy for the farmer to build with just the assistance of the help usually available in every rural community. It is the most suitable model for a farm barn where both storage and stabling capacity is wanted and which is to be built on a level plot of land. Experience has shown that properly anchored to a substantial foundation, this barn is capable of resisting the hardest wind storm.

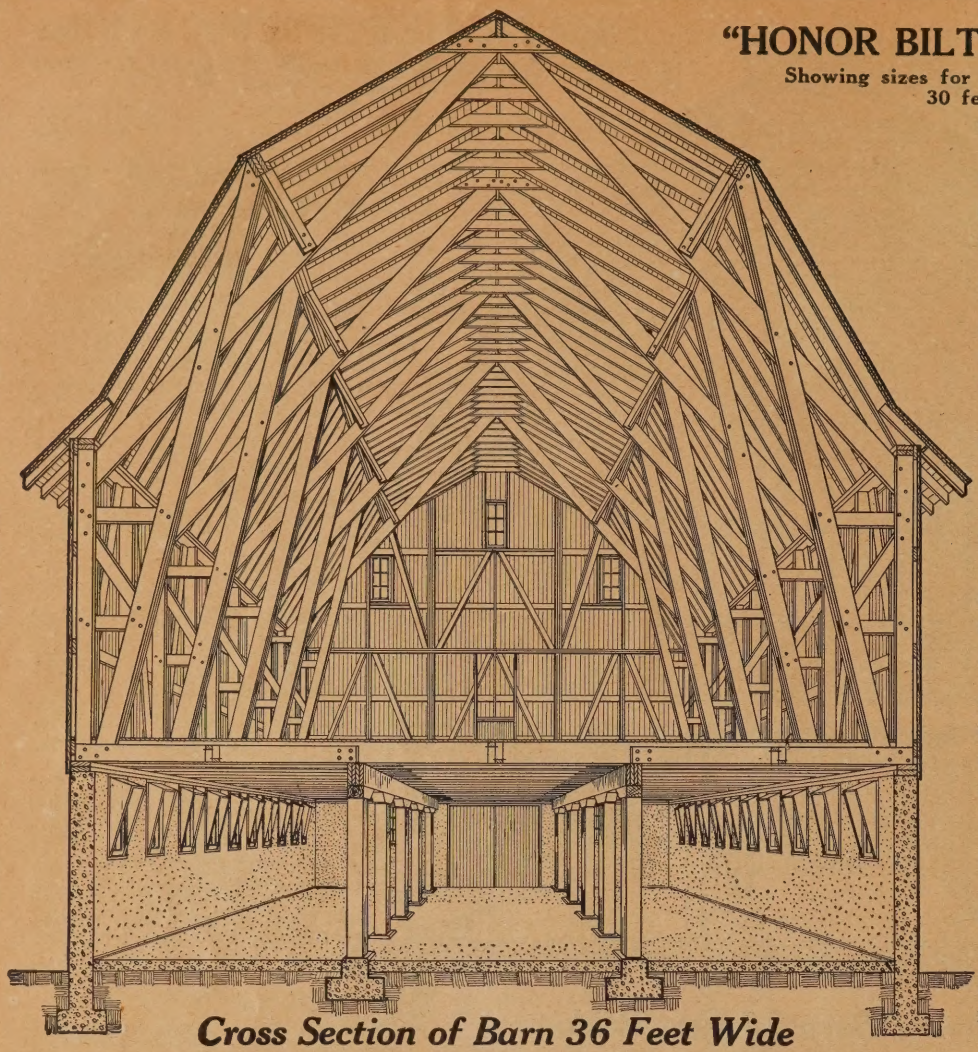
The framing members—the studs, joists, rafters, etc.—are all spaced 22⅝ inches apart. The wall plate or sill is doubled and well anchored to the foundation. All outside wall studs run continuous from the lower wall plate to the top plate. The special feature of this type of framing is the trussing or bracing of the roof. Each set of four rafters is braced individually to form a light truss, and no other purlins or extra framing is needed. The braces offer no obstruction and in no way interfere with the mowing away of the hay, the loft being as open as a railroad tunnel. The mow joists run crosswise and are supported by two built-up continuous girders running lengthwise through the barn. It will readily be seen that the mow joists form an important and necessary part of the structure, as they effectually tie the side walls together and prevent the studs from buckling.

In building this type of barn the framing can be quickly and more economically done on the ground before it is raised into position. For long barns the side walls can be raised in sections of 16 to 20 feet. After the side and end walls have been erected and the floor joists set, they may be covered with the siding and flooring. This will stiffen that part of the barn frame that is already up. The siding is usually put on horizontally.

The mow floor provides an ideal and level place for building the roof trusses. This is really a simple job when all the rafters and braces come Already Cut and Fitted. When complete, the trusses are piled on the mow floor one above the other or on a temporary platform at the height of the top plate. The foot of each truss is then placed in position on the top plate and raised with a gin pole, block and tackle. After the trusses are securely braced with lengths of roof sheathing, the lower braces are spiked to the rafters and wall studs. After all of the trusses are nailed in place, trued and plumbed, the lookouts or rafter ends are added.

One can readily understand why with complete working plans and framing lumber **Already Cut and Fitted,** the erection of an "HONOR BILT" Braced Rafter Barn is a simple job. An average farm carpenter crew can complete a 36x60-foot barn in approximately 10 working days.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



Cross Section of Barn 36 Feet Wide

"HONOR BILT" SPECIFICATIONS

Showing sizes for Framing Lumber for Barns 30 feet and wider.

ROOFING—Fire-Chief Shingle Roll Roofing, guaranteed 17 years. Asphalt strip shingles or heavy 5 to 2 Red Cedar Shingles furnished if preferred.

SHEATHING—1x6-inch tongued and grooved Yellow Pine roof sheathing.

RIDGE BOARD—2x8-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

COLLAR BEAMS—2x6-inch No. 1 Yellow Pine, spiked to every set of rafters. **Already Cut and Fitted.**

RAFTERS—All rafters 2x6 inch No. 1 Yellow Pine, spaced 22⅝ inches apart. **Already Cut and Fitted.**

RAFTER ENDS—2x4-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

PURLINS—Double 2x10-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

TRUSSES—Spaced 14 feet on center. Principal, 2x12-inch; purlin post, 2 pieces, 2x10-inch; braces, struts and ties, 2x6-inch. All No. 1 Yellow Pine. **Already Cut and Fitted.**

GABLE WIND BRACE—Two pieces 2x10-inch No. 1 Yellow Pine. Two furnished for each gable end. **Already Cut and Fitted.**

TOP PLATE—Double 2x6-inch for barns 30 and 32 feet wide. Double 2x8-inch for barns 34 feet wide and wider. All No. 1 Yellow Pine. **Already Cut and Fitted.**

WALL POSTS—2x6-inch for barns 30 and 32 feet wide. All wider barns 2x8-inch. All posts doubled at truss centers. No. 1 Yellow Pine. **Already Cut and Fitted.**

NAILING GIRTS—2x6-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

SIDING—Yellow Pine or Cypress double "V" siding, put on vertically.

JOISTS—2x10-inch No. 1 Yellow Pine for all widths, spaced 22⅝ inches apart. Joists doubled at driveway. **Already Cut and Fitted.**

BRIDGING—Each span of joists cross bridged with 1x3-inch No. 1 Yellow Pine.

MOW FLOOR—1x6-inch tongued and grooved No. 1 Yellow Pine.

PLANK FLOOR—2x10-inch No. 1 Yellow Pine for mow driveway.

WALL PLATE—Double 2x8-inch No. 1 Yellow Pine for barns 30 and 32 feet wide. Double 2x10-inch No. 1 Yellow Pine for barns over 32 feet wide. **Already Cut and Fitted.**

GIRDERS—3 pieces 2x10-inch No. 1 Yellow Pine for barns 30 and 32 feet wide. 4 pieces 2x10-inch No. 1 Yellow Pine for all barns over 32 feet wide. **Already Cut and Fitted.**

GIRDER POSTS—6x6-inch solid No. 1 Yellow Pine with 6x6-inch bolsters for barns 30 and 32 feet wide. 6x8-inch solid No. 1 Yellow Pine with 6x8-inch bolsters for barns over 32 feet wide.

ANCHOR BOLTS—½x16-inch, complete with washers.

NOTE—These specifications do not apply to barns under 30 feet in width.

Gambrel Trussed Roof Barn

All Framing Lumber Already Cut and Fitted

Years ago, when timber was plentiful and cheap, ninety-nine out of one hundred barns were erected with no thought given to the actual strength of the timber or its fitness for the purposes intended. Today, heavy timbers are seldom used; timber framing is expensive, carpenters command good wages and barn raising "bees" cost money.

In order to reduce his building costs to a minimum and still insure the necessary strength and rigidity, the farmer today is forced not only to conserve every board foot of lumber, but also to choose only such lumber that is adapted especially to structural purposes. And just as the sickle has been replaced successively by the cradle, the self rake and the binder, so the old time cumbersome and inefficient heavy timber framed barn has been replaced by the Modern Gambrel Trussed Roof Barn illustrated above.

This type of barn is especially suited to bank barns where entrance to the mow with team and load requires a barn with a high side wall. Strong in construction, easy to build and economical in the use of lumber, this barn is a favorite in those states where dairying is the foremost agricultural pursuit and barns providing liberal space, not only for the stabling of the herd, but also for the season's crop of hay, grain and roughage are a necessity.

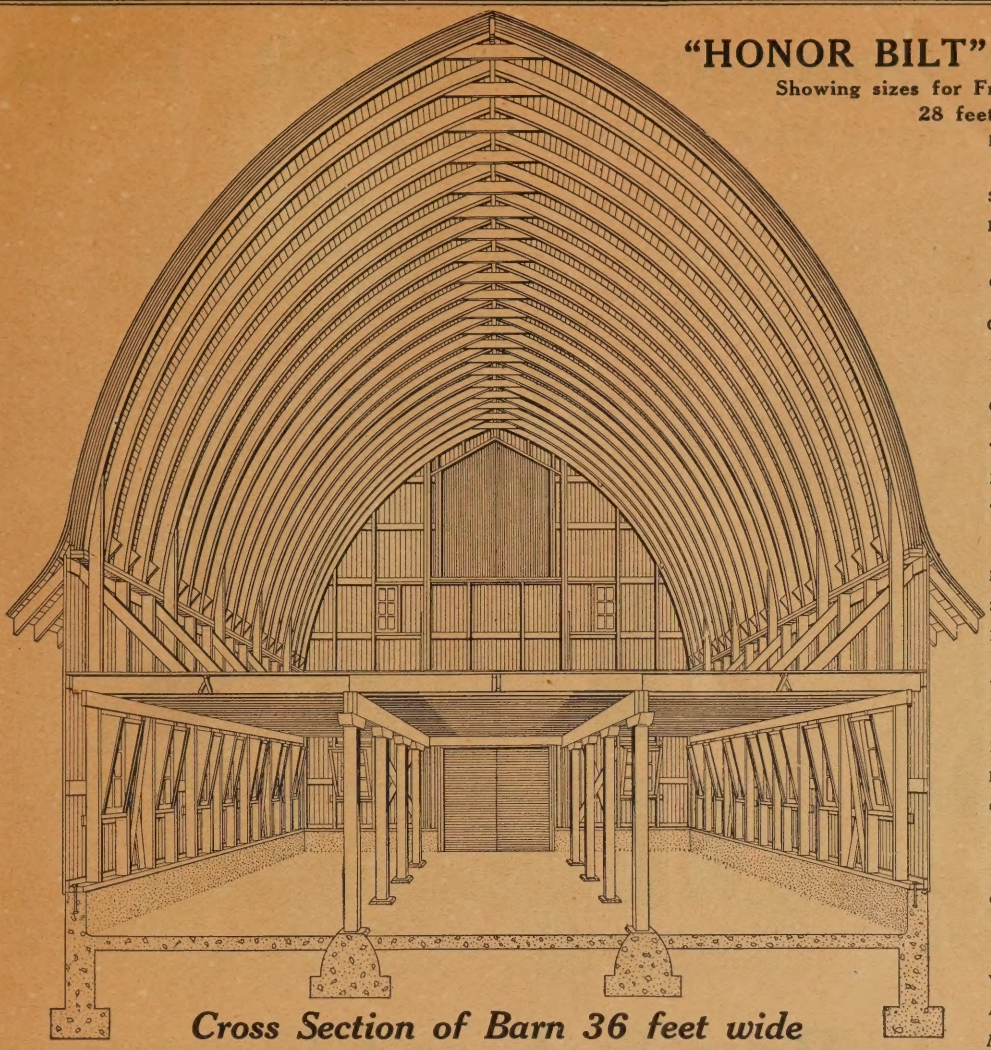
In the erection of this barn the entire first floor or basement is built first. The truss members are then assembled on the mow floor, joined, knit and bolted together. It is a simple matter to erect the trusses. This is done by means of a gin pole, block and tackle or by the aid of a team of horses or a farm tractor. When the trusses are raised to the proper position they are secured in place with the nailing girts and top plates. Other structural members, such as wall braces, wall posts, purlins, rafters and ridge boards are nailed and bolted in position after two or three trusses have been raised and plumbed. A glance at the illustration above plainly shows that the trusses are so constructed and so spaced that they in no way interfere with the use of a modern hay handling outfit.

The framing of the side and end walls is known as a post and girt construction. The truss post forms a part of the wall and one or more intermediate posts are erected. Diagonal wall braces, running from the top plate to sill, stiffen and give the walls the necessary rigidity. The nailing girts are spaced about three or four feet apart and are well spiked to the truss and intermediate posts. The siding is nailed on vertically. By omitting the nailing girts and spacing the wall studs two feet on center, the frame can be adapted for horizontal siding.

The framing, especially of the roof, is the most difficult part of the building of this barn. With our Already Cut system it takes about as many **days** to erect as it used to take **weeks** under the former "rule of thumb" method. A real saving, both in time and money, is bound to result when all the calculating, cutting and fitting is done at our factory by experienced barn builders and on accurate machinery.

Turn to pages 32 and 33: Here you see how the material for this modern barn comes to you **Already Cut and Fitted.** You or your carpenter can devote all of your time to the actual erection of your barn. No waste of material, no time lost in figuring, measuring and guessing on the job and the result is a big saving in the final cost.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



Cross Section of Barn 36 feet wide

"HONOR BILT" SPECIFICATIONS

Showing sizes for Framing Lumber for Barns 28 feet and wider.

ROOFING—Fire-Chief Shingle Roll Roofing guaranteed 17 years. Asphalt strip shingles or heavy 5 to 2 Red Cedar Shingles furnished if preferred.

SHEATHING—1x6-inch tongued and grooved Yellow Pine roof sheathing.

RIDGE BOARD—2x6-inch for barns 28 feet wide. 2x8-inch for barns wider than 28 feet. No. 1 Yellow Pine. **Already Cut and Fitted.**

COLLAR BEAMS—2x6-inch No. 1 Yellow Pine, spiked to every set of rafters. **Already Cut and Fitted.**

GOTHIC RAFTERS—Built up of four pieces 1x3-inch for barns 28 feet wide. Rafters for barns 30 feet and wider, built up of five pieces of 1x4 inches. All long leaf Yellow Pine. Rafters spaced 2 feet on centers.

GABLE WIND BRACE—2x10 inches No. 1 Yellow Pine, two furnished for each gable end. **Already Cut and Fitted.**

TOP PLATE—Double 2x6-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

RAFTER ENDS—2x4-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

STUDS—2x6-inch No. 1 Yellow Pine spaced 3 feet on center. **Already Cut and Fitted.** Studs tripled at all corners and under girders. Double studs at all door openings.

RAFTER TIES—2x6-inch and 2x8-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

SIDING—Yellow Pine or Cypress double "V" siding put on vertically.

NAILING GIRTS—2x6-inch No. 1 Yellow Pine, approximately 3 feet apart. **Already Cut and Fitted.**

JOISTS—2x8-inch No. 1 Yellow Pine for barns 32 feet and less in width. Barns over 32 feet in width have 2x10-inch No. 1 Yellow Pine joists. All joists spaced 16⅝ inches apart. **Already Cut and Fitted.**

BRIDGING—Each span of joists cross bridged with 1x3-inch No. 1 Yellow Pine.

MOW FLOOR—1x6-inch, tongued and grooved No. 1 Yellow Pine.

GIRDERS—3 pieces 2x8-inch No. 1 Yellow Pine for barns 28 feet wide.
3 pieces 2x10-inch No. 1 Yellow Pine for barns 30 and 32 feet wide.
4 pieces 2x10-inch No. 1 Yellow Pine for barns wider than 32 feet.
All girders **Already Cut and Fitted.**

GIRDER POSTS—6x6-inch solid No. 1 Yellow Pine with 6x6-inch bolsters for barns 32 feet and less in width.
6x8-inch solid No. 1 Yellow Pine with 6x8-inch bolsters for barns over 32 feet wide.

WALL PLATE—Double 2x6-inch No. 1 Yellow Pine. **Already Cut and Fitted.**

ANCHOR BOLTS—½x16-inch complete with washers.

NOTE—These specifications do not apply to barns under 28 ft. in width.

Gothic Roof Barn

All Framing Lumber Already Cut and Fitted

In recent years there has been a tendency towards a better, more permanent and a more economical construction of the American farm barn. The problem has been to secure increased loft capacity, without the use of cumbersome and costly timbers, and to provide a mow with an open center permitting the operation of a modern hay carrier from one end of the loft to the other. In the heavy hewed timber framed barns that were popular a decade or two ago, not only did the cross beams and supporting timbers interfere with carriers, but much valuable space was lost on account of such timbers making parts of the mow entirely inaccessible.

The insistent demands for a barn that would fill the purposes for which it is to be used and that also would provide for the proper housing of the crops and animals, so that these could be taken care of with a minimum amount of labor, led to the development of the plank frame types of construction—the Braced Rafter Barn and the Trussed Roof Barn already described. While these two types meet every practical requirement, are economical in the use of material and easy to erect, authorities responsible for their development still realized that something was lacking—that something was **beauty.**

Barns have their own individuality and no matter how simple or inexpensive they are, may still be made pleasing and dignified and give distinction and charm to the entire farmstead by the simple application of architectural treatment. Is it any wonder, then, that the barn illustrated above is conceded by progressive farmers and experienced barn builders to be a masterpiece?

The "HONOR BILT" Gothic Roof Barn—Already Cut and Fitted—owes its widespread popularity to the "know-how" of our experienced barn architects who designed and proportioned its graceful roof lines; it owes its durability to the quality materials that are specified in its construction and to the way the materials have been figured out to carry maximum loads and stay rigid and plumb even under severest conditions; it owes its economy to the big saving made possible by our wonderful already cut system of construction and the ease in which it can be erected when our simple working plans and complete instructions are followed.

This barn is not a novelty, but a practical, economical structure that combines all of the best features of the rectangular barn and the beauty, symmetry and utility of the round roof. It permits of a generous loft and, what is more vital, the loft is as open and unobstructed as an airship hanger, because the roof itself is self supporting, each set of ribs creating an independent arch and forming a very rigid completed structure. The graceful sweep of the roof, moreover, insures quick and perfect drainage of all surface water and offers the least possible resistance to high wind pressure.

The erection of an "HONOR BILT" Already Cut and Fitted Gothic Roof Barn is so simple that many of our customers have built them without experienced carpenter labor of any kind. The same principles recommended for the construction of the side and end walls of the two aforementioned types are used. Detailed drawings are furnished, showing how the rafters are built. This is really such an easy job that a boy can do the work. Each arch on completion is raised with a gin pole block and tackle, secured in place and the barn is then ready for the sheathing. An added advantage is that little if any scaffolding is needed to erect the roof.

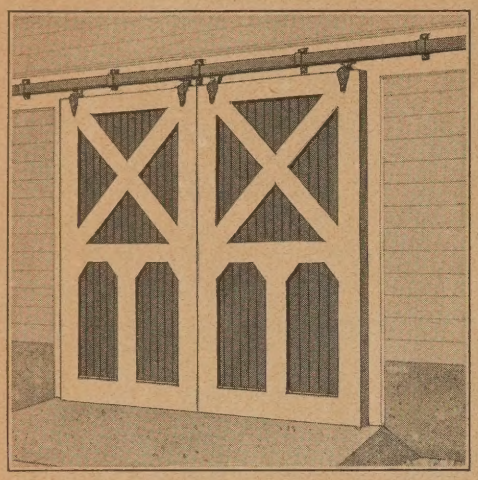
An "HONOR BILT" Gothic Roof Barn will not only pay for itself over and over again in everyday service, but will add more than its cost in the increased value it gives to the farm as a whole. If you build today and sell tomorrow, this barn, like every other "HONOR BILT" Modern Barn will pay a profit on the investment.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN

Better Built Doors for "Honor Bilt" Barns

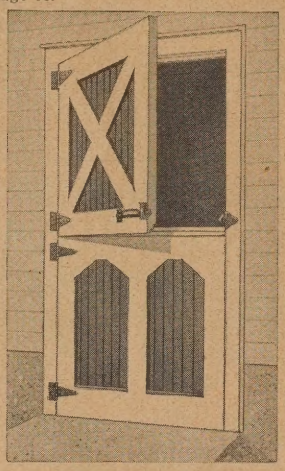
Factory Made and Ready to Hang

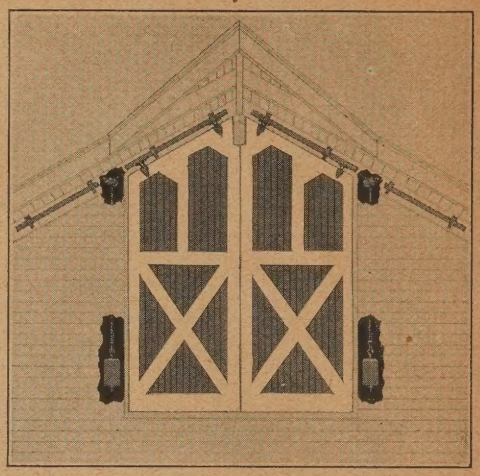
"HONOR BILT" barn doors are constructed throughout of Cypress, "The Wood Eternal." They are built on modern machinery in our big mill work factory, out of dressed and matched lumber and are strongly braced and battened. "HONOR BILT" doors are shipped painted with one coat of linseed oil paint, come ready to hang, save time and labor, and are better than doors made on the job by hand carpentry. Built of Cypress they will withstand both wear and weather, will not warp or bind, and will hang true and straight.



Double Sliding Driveway Doors for the ground floor of "HONOR BILT" barns are 8 feet 2 inches by 8 feet in size and 1⅝ inches thick. For entrance with team and load into the mow, these doors can be furnished 12 feet 4 inches by 12 feet in size, with a small door built in for personal access. For description of hardware see page 38.

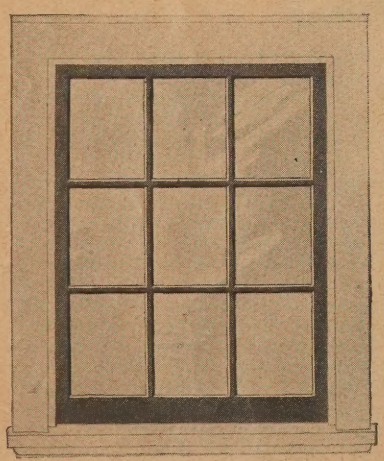
The Dutch Door illustrated below can be furnished where one or more additional doors are needed. The advantage of this door is that the upper wing can be opened for ventilation, independent of the lower wing. It is an ideal hinged door and is furnished 3 feet 9 inches by 7 feet 10½ inches in size. For description of hardware see page 38.





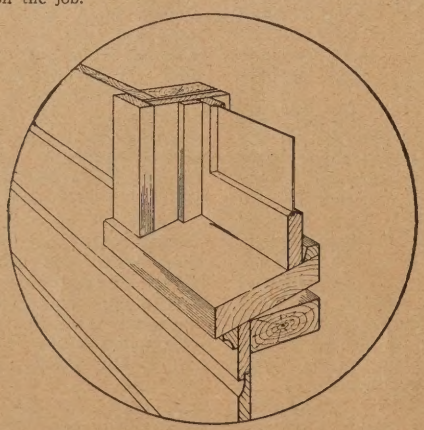
Two kinds of gable hay doors—the gable sliding type illustrated and the hinged drop leaf door—are used on "HONOR BILT" barns. The counterweights for the sliding doors are best made of concrete and are to be furnished by the owner. The hinged door can be easily opened and closed with the aid of the hay carrier. The doors are 9 ft. 4 in. wide by 12 ft. 8 in. high and 1⅝ in. thick. For description of hardware see page 38.

High Grade Barn Sash and Frames

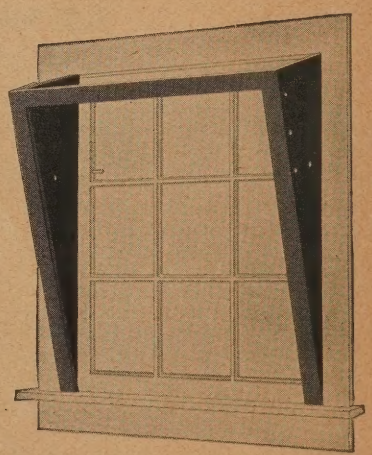


The nine-light sash illustrated is furnished with most of our "HONOR BILT" barns. The glass size is 9 inches by 12 inches and the overall size is 2 feet 8 inches by 3 feet 6 inches. This sash will meet all dairy barn regulations and allows an abundance of light and sunshine to flood the barn. A special 4 light sash, 9 inches by 14 inches, 1⅜ inches thick, is furnished for some of the general farm barns. The opening size of this sash is 1 foot 10½ inches by 2 feet 9½ inches. "HONOR BILT" sash are thicker than ordinary 1⅛-inch stock sash that are usually furnished for barns.

All sash for "HONOR BILT" barns are made of clear, kiln dried, California White Pine, 1⅜ inches thick. They are tenoned and mortised, carefully machined and sanded and are glazed with good quality glass. The crating of the sash for shipment is carefully done and delivery in perfect condition is guaranteed. High grade sash frames, made of practically clear lumber, are provided for "HONOR BILT" barns. The outside casings and sills of our frames are made of Cypress, the very best wood for the purpose. All frames are shipped carefully bundled, cut to exact size, ready to nail together and are superior to frames made on the job.



The illustration above shows a section through a barn window frame. Note how well it is constructed. "HONOR BILT" sash frames give your barn a trim and finished appearance and will keep both wind and weather out of your barn.



All nine-light barn sash, where specified for the ground floor of the barn, are provided with ventilation shields. The sash is arranged to drop back against the shield and the cold air is deflected towards the warm ceiling and does not strike the animal direct. The sash is held in position by two spring bolts furnished for each sash. For winter ventilation this arrangement can not be excelled.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN

ABOUT OUR BARN SIDING

Medium Grade

Medium Grade Siding Furnished in Either Cypress or Yellow Pine.

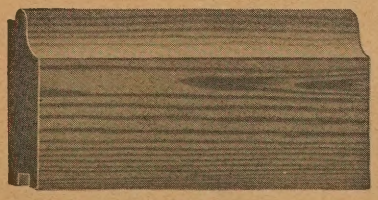
Best Grade

Best Grade Siding Furnished Only in Cypress.

"HONOR BILT" Barns shown in this catalog are furnished with one of three different grades of outside siding: Best Grade Cypress, Medium Grade Cypress or Medium Grade Yellow Pine siding.

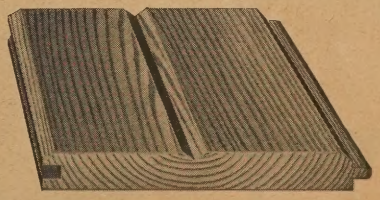
Best Grade Cypress is our highest quality barn siding. It runs practically clear, uniform in color and has a soft even texture. Just the kind of stock that will take and hold paint and withstand the weather for a lifetime. This grade will give double the length of service of even the highest grade of white pine. If you want the best, order our Best Grade Cypress siding.

In the Medium Grades of Cypress and Yellow Pine there are some knots, as the above illustration shows, but these are sound knots, and when the siding is painted, it has the same appearance from the outside as the higher grade siding. Such defects in no way impair the long life of the siding and we can recommend this grade for the man who must exercise economy when he builds. At our price these Medium Grades are good bargains and will give satisfaction for years.



Drop Siding.
Furnished in Best Grade Cypress, Medium Grade Cypress and Yellow Pine.

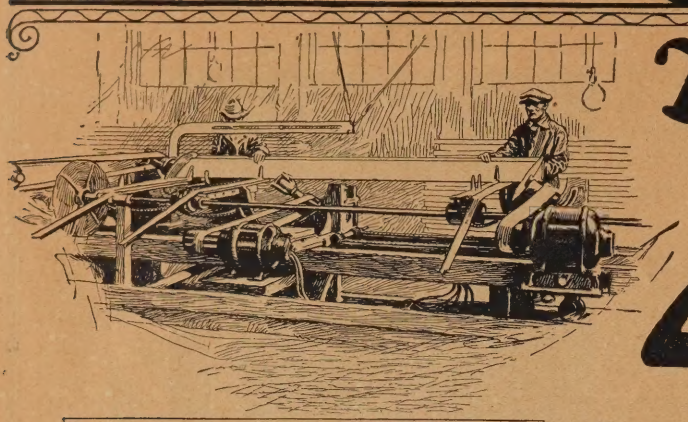
A glance at the illustrations of Drop Siding and Double V Siding will show you the patterns of siding we furnish for the outside walls of our barns. Double V Siding is used mostly on barns that are sided vertically or up and down, and Drop Siding is only used for barns sided horizontally. Complete specifications will be found in the description of the different barns.



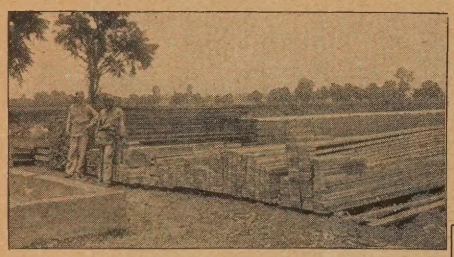
Double V Siding.
Furnished in Best Grade Cypress, Medium Grade Cypress and Yellow Pine.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN

Proof of Big Savings by

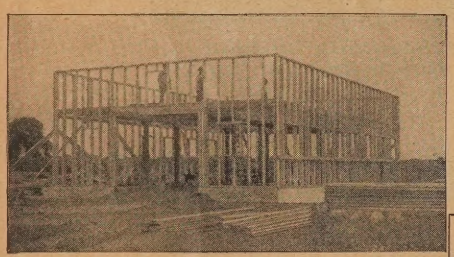


The Honor Bilt Way Took 433 Hours to Build



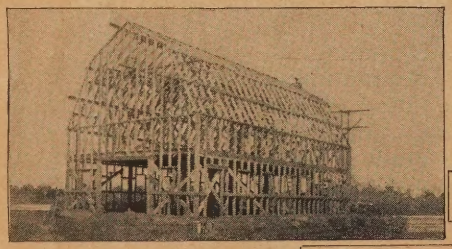
All framing lumber cut to exact length and shape, ready to be nailed in place. No time lost in measuring, cutting and fitting.

1



74 Hours carpenter labor shows the framing of barn rapidly nearing completion.

2



180 Hours carpenter labor and the entire frame is up and braced.

3

THESE PICTURES, backed by certified testimony, prove the great saving of time, labor and material that is made possible by building an "Honor Bilt" Already Cut and Fitted Barn. Study the pictures carefully. They show why the modern and economical ready cut way of barn building will save almost one-half the labor required by the old fashioned and wasteful method.

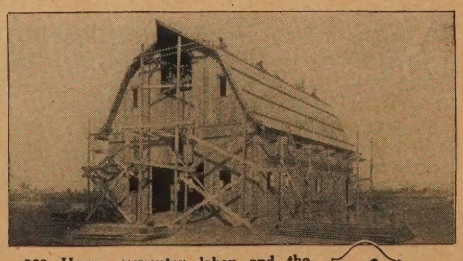
Both barns are exactly the same in size, 34 feet wide and 56 feet long, and were built under the same weather and labor conditions and in the same locality. The erection in both cases was done by an average barn construction crew, consisting of one carpenter foreman and four handy men. The barns are both sturdily built, the labor having been done as carefully on one as on the other, yet one barn was finished 360 hours ahead of the other.

Here is the reason: The same successful time and money saving principles that have made possible the quick and economical erection of the modern skyscraper were used in the construction of the "Honor Bilt" Barn. The framing lumber was delivered on the job cut to exact length and shape. There was no figuring, measuring or cutting of the material to do. The working plans accurately marked and numbered to correspond with like numbers on the lumber made it possible for the workmen to start right in and nail the frame together without losing valuable time in first getting the material ready.

The other barn was built in the ordinary way. The lumber was furnished in stock lengths just as it comes from any local lumber yard. Even though the carpenter had a complete set of barn plans to follow, knew his business and worked fast, it took many hours of real labor to measure and cut the heavy framing lumber with hand saws. Turn to pages 32 and 33. Here you see the frame of a barn. The framing members and their relation to each other are shown. Try to figure out the time needed to compute the different lengths and bevels, not to mention the cutting of the lumber with ordinary hand saws.

The "Honor Bilt" system of barn building has saved many of our customers as much as $300.00 on carpenter labor alone. You can make a similar saving, depending on the size barn you build; in fact, if you wish, you can save all of the labor expense by erecting your barn yourself with just the help of your own farm labor. Our specially drawn and detailed plans,

Furnished Already Cut and Fitted



320 Hours carpenter labor and the barn is sided and sheathed.

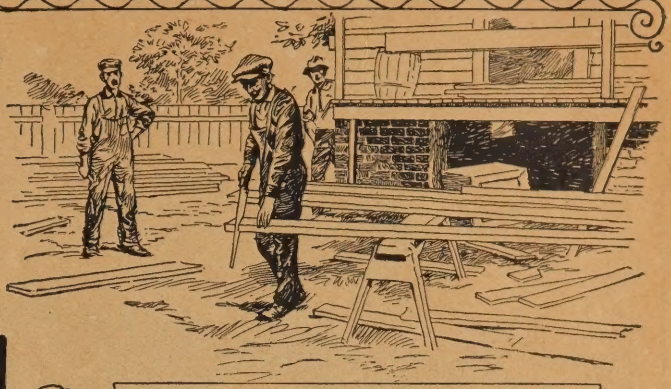
4

433 Hours carpenter labor completes the barn, proving a saving of 360 hours.

5

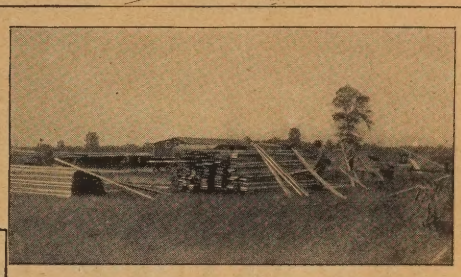
Building the Honor Bilt way

The Ordinary Way Took 793 Hours to Build



together with ready cut lumber, makes the building of your barn a simple undertaking. It really is a great satisfaction and a well deserved pride to be able to say that you put up your barn practically all by yourself, and by doing it yourself, you will save money that you can use for other purposes.

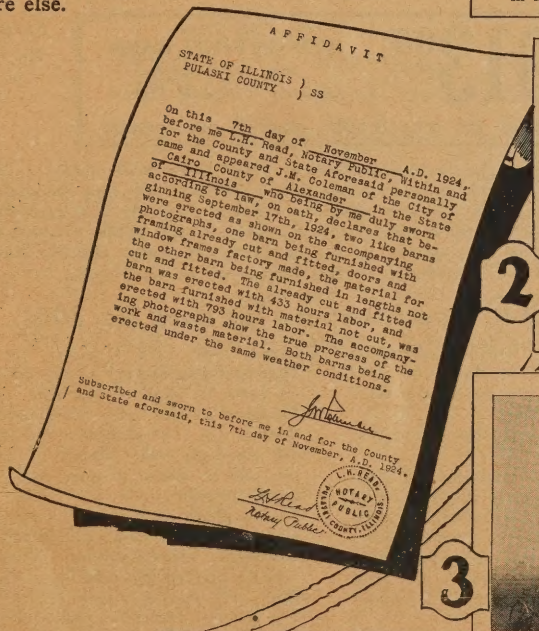
Coupled with this big saving in labor, you save additional money on the price of the barn itself. There is no waste lumber to pay for and, by selling direct from our mill to you, we eliminate all of the middleman's profit and expense that you pay when you buy locally. All of these reasons combined make it possible for you to get a better and stronger barn at a lower price than anywhere else.



1 Lumber delivered in random lengths. Time is lost in measuring, cutting and getting material.

Our Guarantee Is Backed by One Hundred Million Dollars

Every "Honor Bilt" Barn is guaranteed to be exactly as represented and to give perfect satisfaction. Our one low price covers everything needed to build the barn from the foundation to the ridge. Our quantities are guaranteed — there are no extras to buy or to pay for.



AFFIDAVIT

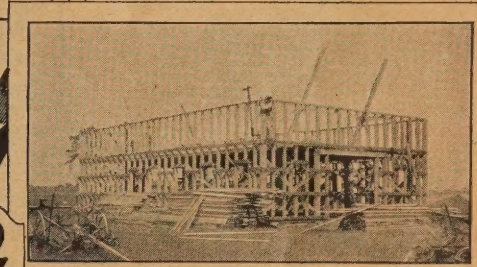
STATE OF ILLINOIS)
PULASKI COUNTY) SS

On this 7th day of November A.D. 1924, before me L.H. Read, Notary Public within and for the County and State aforesaid personally came and appeared J.M. Coleman of the City of Cairo County of Alexander in the State of Illinois who being by me duly sworn according to law, on oath declares that he is beginning September 17th, 1924, two like barns were erected as shown on the accompanying photographs, one barn being furnished with framing already cut and fitted, doors and window frames factory made, the material for the other barn being furnished in lengths not cut and fitted. The already cut and fitted barn was erected with 433 hours labor, and the barn furnished with material not cut, was erected with 793 hours labor. The accompanying photographs show the true progress of the work and waste material. Both barns being erected under the same weather conditions.

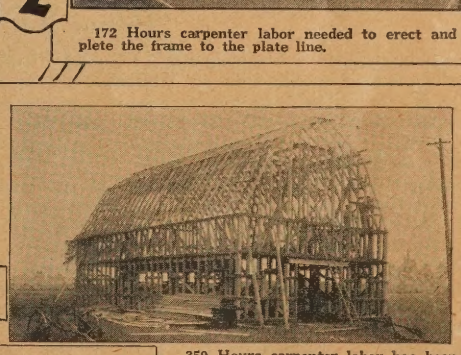
Subscribed and sworn to before me in and for the County and State aforesaid, this 7th day of November, A.D. 1924.

L.H. READ NOTARY PUBLIC

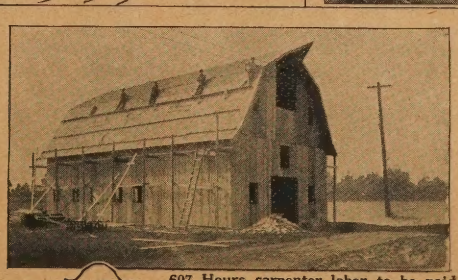
Notary Public



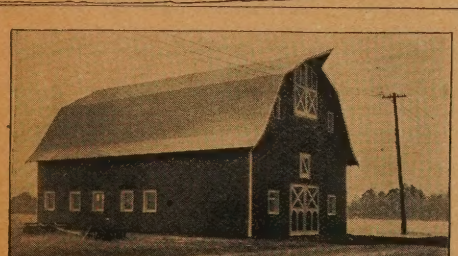
2 172 Hours carpenter labor needed to erect and complete the frame to the plate line.



3 359 Hours carpenter labor has been spent and only the framing is completed.

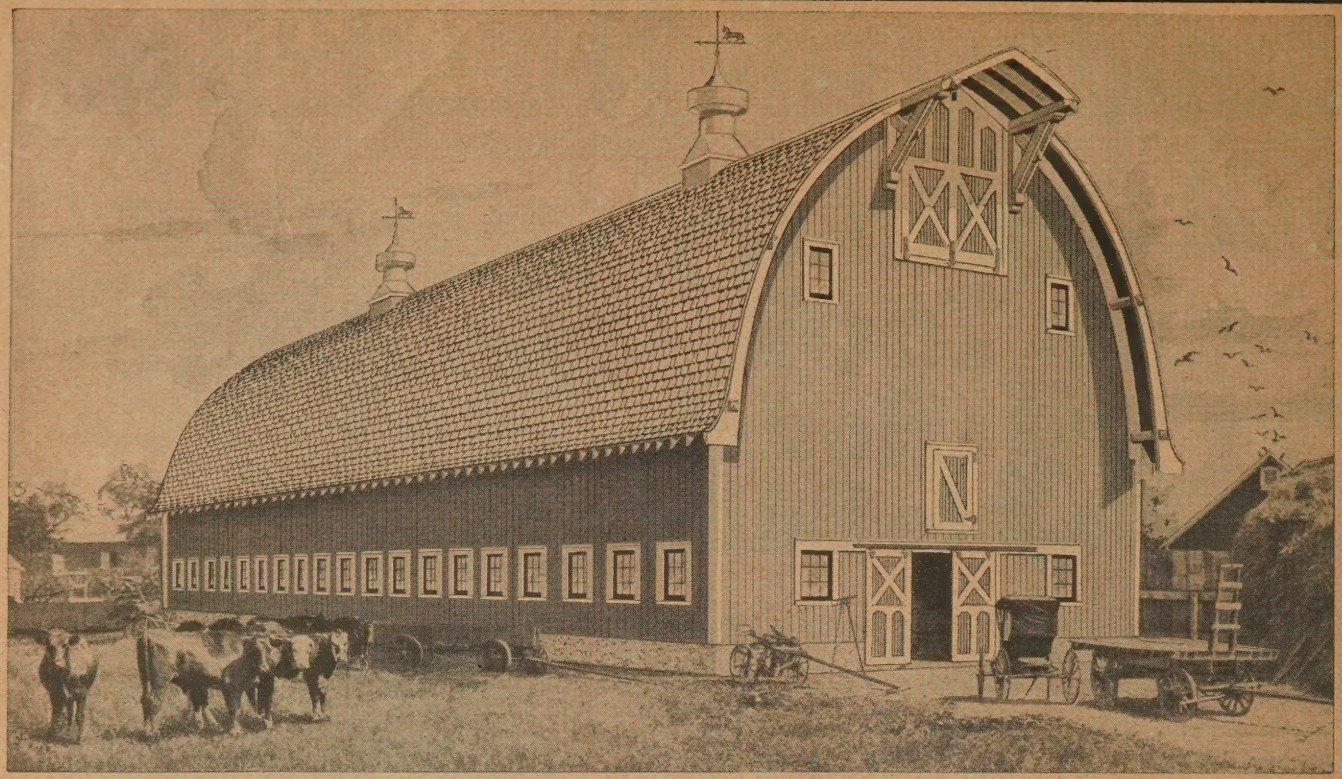


4 607 Hours carpenter labor to be paid for. Notice how the waste material has piled up.



5 793 Hours carpenter labor. 360 hours more than needed to build the "Honor Bilt" Already Cut and Fitted Barn.

Cut by Hand on the Job



"OUR LEADER" MODERN FARM BARN No. 2061

What Our Low Price Includes:

Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$913.00 FOR THIS "HONOR BILT" BARN
Size, 30x32 Feet.
Already Cut and Fitted
Prices on any length quoted on request

Satisfaction Guaranteed—No Extras

WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry material or barn equipment. For optional items see page 4.

WHAT an attractive addition to the farm this Gothic roof barn will make is shown by the front cover page of this book. The haymow is large and unobstructed and provides liberal space for hay, feed and roughage. With all the framing lumber Already Cut and Fitted, the erection is easy. Many of our customers have built it with only the help of the labor around the farm. Wherever a Gothic barn is built, the owner is very proud of it; in fact, we have still to hear of the man who would part with his "HONOR BILT" barn for twice the price it cost him.

"Honor Bilt" Specifications for Barn No. 2061

Plans: Complete plans and building details accurately drawn by experienced barn architects are furnished with this "HONOR BILT" Barn.

Masonry Work: The foundation walls are to be built of concrete, or other masonry material, and extend 2 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: This barn is of a stud and girt side wall and a Gothic roof construction. See illustration on page 7, which clearly shows this type of barn frame. Nailing girts are 2x6 inches and are spiked to the studs which are spaced 3 feet on center. The joists are spaced 16⅜ inches apart; the sill and top plates are doubled; all corner posts are built up of three heavy studs and heavy built-up girders run lengthwise through the barn. Simple directions make it easy to build the Gothic roof rafters. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber and the circular verge and frieze is Already Cut and Fitted. For the size of all studs, joists and other framing members, read the "HONOR BILT" specifications on page 7.

Siding: The outside walls are covered with a dressed and matched double "V" siding of Yellow Pine or Cypress, "The Wood Eternal," put on vertically. Where weather resisting qualities are wanted, Cypress cannot be excelled. For illustrations and descriptions of siding grades and patterns see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. This flooring can be driven up tight to prevent the hay dust from sifting through on the stock below.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Double sliding doors, 8 feet 2 inches by 8 feet, are provided at each end of the barn. A single sliding door is located at each corner of the barn when furnished 24 feet wide. The hinged gable hay door is 9 feet 4 inches by 12 feet in size. The small door at the mow level is convenient for many purposes. All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.

Heavy plank door frames, outside casings and surfaced track plank are also included. For description and illustration of doors see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into nine lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 2 feet 8 inches by 3 feet 6 inches.

The window frames are made of practically clear lumber. All frames are shipped carefully bundled ready to nail together.

Windows are spaced 6 feet on center. Ventilation shields are included. For full description and illustration of windows see page 8.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

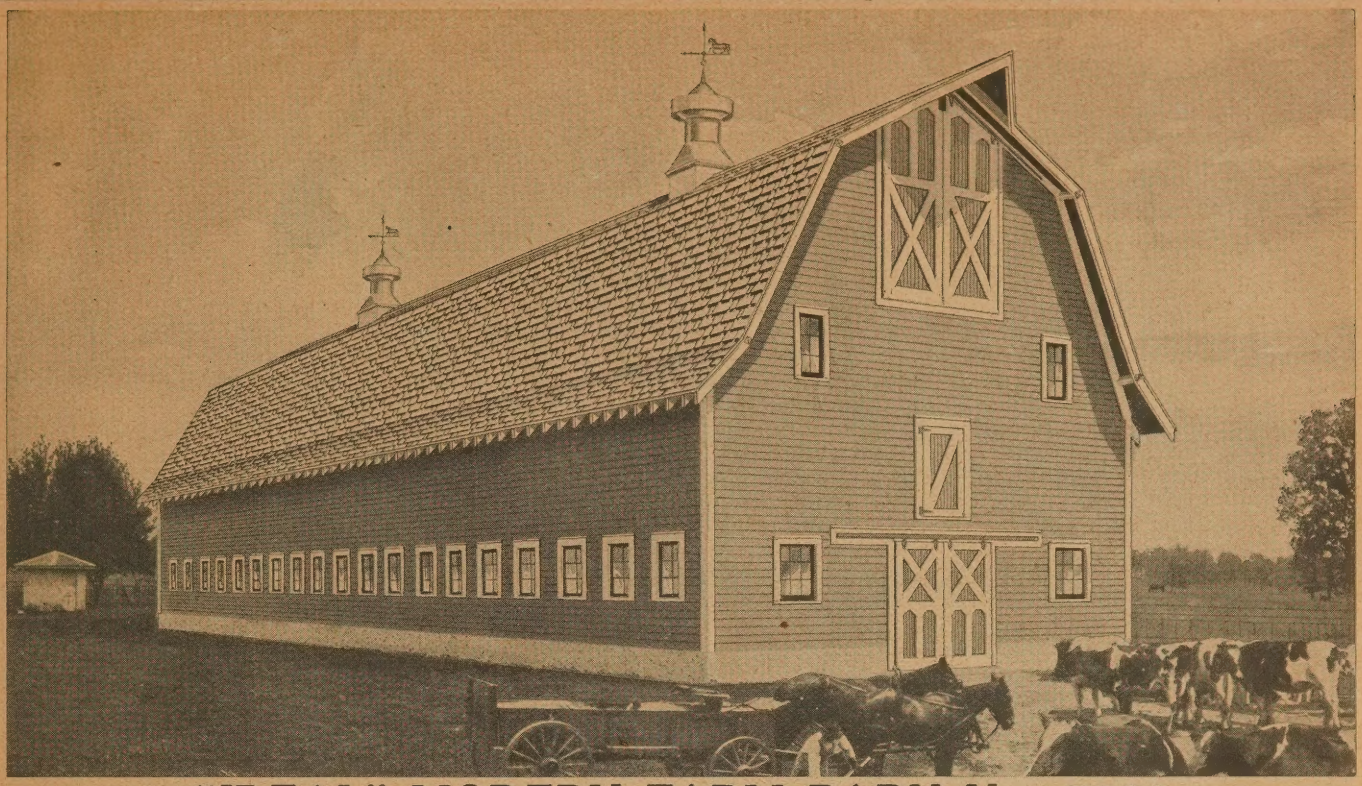
Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted, mention the height of wood wall wanted, and return for a delivered price on your barn *complete*.

Sizes: We can furnish this barn 24 feet, 28 feet, 30 feet, 32 feet, 34 feet, 36 feet and 40 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



"IDEAL" MODERN FARM BARN No. 2060

What Our Low Price Includes:
Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$945.00 FOR THIS "HONOR BILT" BARN
Size, 32x38 Feet.
Already Cut and Fitted

Prices on any length quoted on request

Satisfaction Guaranteed—No Extras.
WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry material or barn equipment. For optional items see page 4.

PLEASING appearance is but an added feature to the simple construction, strength and usefulness of this well proportioned, braced rafter barn. The large nine-light windows provide an abundance of sunshine and fresh air and they are fitted with ventilation shields to protect the stock from direct drafts. A rather flat, rolling landscape will make the best setting for this fine barn. Adapted to the needs of a general purpose barn it nevertheless embodies all of the essentials of a modern dairy barn. The materials are first class throughout and its erection is possible for a surprisingly small amount of money.

"Honor Bilt" Specifications for Barn No. 2060

Plans: Complete plans and building details accurately drawn by experienced barn architects are furnished with every "HONOR BILT" Barn.

Masonry Work: The foundation walls are to be built of concrete, or other masonry material and extend 2 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: This barn is of a balloon frame and braced rafter roof construction. See the illustration on page 5 which clearly shows this type of barn frame. All framing timbers are spaced not over 2 feet on centers; each set of rafters is individually braced; the sills and top plates are doubled. Barns over 24 feet in width have two built-up heavy plank girders running lengthwise through the barn. To obtain maximum strength, all corner posts are built up of three heavy studs. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber is Already Cut and Fitted. For the size of all studs, joists and other framing members, read the "HONOR BILT" specifications on page 5.

Siding: The outside walls are covered with a dressed and matched drop siding of Yellow Pine or Cypress, "The Wood Eternal." Where weather resisting qualities are wanted, Cypress cannot be excelled. For illustrations and description of siding grades and patterns, see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. This flooring can be driven up tight to prevent the hay dust from sifting through on the stock below.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Double sliding doors, 8 feet 2 inches by 8 feet, are provided at each end of the barn. A single sliding door is located at each corner of the barn when furnished 24 feet wide. The sliding gable hay door is 9 feet 4 inches by 12 feet in size. The small door at the mow level is convenient for many purposes.

All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.

Heavy plank door frames, outside casings and surfaced track plank are also included. For description and illustration of doors, see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into nine lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 2 feet 8 inches by 3 feet 6 inches.

The window frames are made of practically clear lumber. All frames are shipped carefully bundled ready to nail together.

Windows are spaced 6 feet on center. Ventilation shields are included. For full description and illustration of windows, see page 8.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted. Mention the height of wood wall wanted, and return for a delivered price on your barn *complete.*

Sizes: We can furnish this barn 24 feet, 28 feet, 30 feet, 32 feet, 34 feet and 36 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN

MODERN GENERAL FARM BARN No. 2062

What Our Low Price Includes:

Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$817.00 FOR THIS "HONOR BILT" BARN
Size, 28x40 Feet
Already Cut and Fitted
Prices on any length quoted on request

Satisfaction Guaranteed—No Extras

WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry material or barn equipment. For optional items see page 4.

HERE is a high grade modern barn at a bargain price. Mixed stock and farm horses can be comfortably and economically stabled, and there is ample mow capacity for the storage of a bumper crop of hay and grain. "HONOR BILT" quality is always standard and the same high quality building material specified for other "HONOR BILT" barns will be found in this barn. The man who is forced to make every dollar count will find this general farm barn, Already Cut and Fitted, an exceptional money saving value.

"Honor Bilt" Specifications for Barn No. 2062

Plans: Complete plans and building details accurately drawn by experienced barn architects are furnished with this "HONOR BILT" Barn.

Masonry Work: The foundation walls are to be built of concrete, or other masonry material and extend 2 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: This barn is of balloon frame and braced rafter roof construction. See illustration on page 5 which clearly shows this type of barn frame. All framing timbers are spaced 22⅜ inches apart; each set of rafters is individually braced; the sills and top plates are doubled. Barns over 24 feet in width have two built-up heavy plank girders running lengthwise through the barn. To obtain maximum strength, all corner posts are built up of three heavy studs. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber is Already Cut and Fitted. For the size of the studs, joists and other framing members, read the "HONOR BILT" specifications on page 5.

Siding: The outside walls are covered with a dressed and matched drop siding of Yellow Pine or Cypress, "The Wood Eternal." Where weather resisting qualities are wanted, Cypress cannot be excelled. For illustrations and description of siding grades and patterns, see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. This flooring can be driven up tight to prevent the hay dust from sifting through on the stock below.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Double sliding doors, 8 feet 2 inches by 8 feet, are provided at each end of the barn. A single sliding door is located at each corner of the barn when furnished 24 feet wide. The hinged gable hay door is 9 feet 4 inches by 12 feet in size. The small door at the mow level is convenient for many purposes.

All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.

Heavy plank door frames, outside casings and surfaced track plank are also included. For description and illustration of doors, see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into four lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 1 foot 10½ inches by 2 feet 9½ inches.

The window frames are made of practically clear lumber. All frames are shipped carefully bundled ready to nail together.

Windows are spaced 6 feet on center. For full description and illustration of windows, see page 8.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combinations may be selected from page 37.

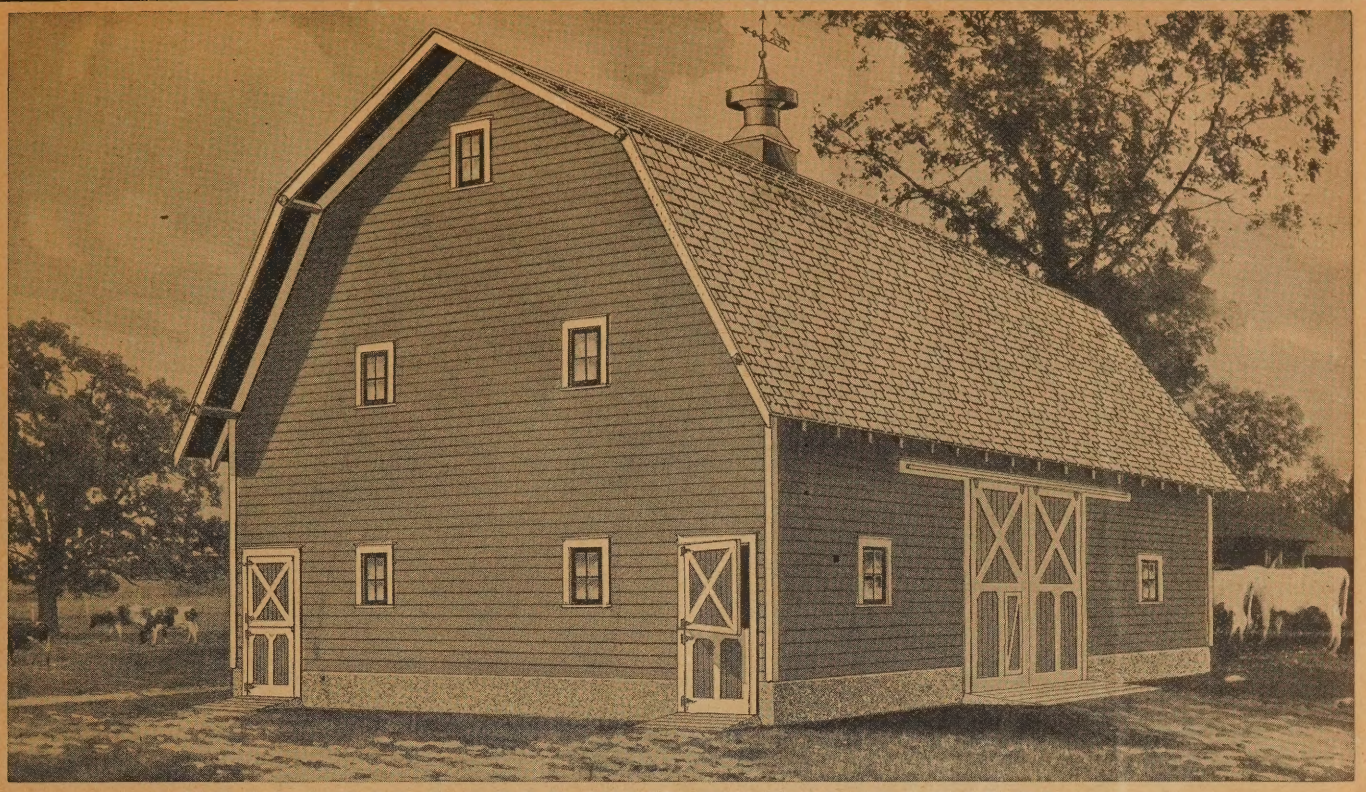
Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted, mention the height of wood wall wanted and return for a delivered price on your barn *complete*.

Sizes: We can furnish this barn 24 feet, 28 feet, 30 feet, 32 feet, 34 feet and 36 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



"COLONIAL" MODERN FARM BARN No. 3006

What Our Low Price Includes:
Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$954.00 FOR THIS "HONOR BILT" BARN
Size, 32x42 Feet.
Already Cut and Fitted
Prices on any length quoted on request

Satisfaction Guaranteed—No Extras.
WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry material or barn equipment. For optional items see page 4.

HERE IS a good, plain barn at a low price, that can be erected very economically. The wide 12-foot driveway, open to the roof, can be used for the unloading or baling of hay, for threshing, or for the storage of wagons and implements. During rainy weather a driveway of this kind provides an ideal place for the repairing of farm machinery and other odd jobs. This barn can be conveniently laid out for the stabling of the stock and horses and for an economical and serviceable general purpose barn can hardly be improved upon.

"Honor Bilt" Specifications for Barn No. 3006

Plans: Complete plans and building details accurately drawn by experienced barn architects are furnished with this "HONOR BILT" Barn.

Masonry Work: The foundation walls are to be built of concrete, or other masonry material and extend 2 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: This barn is of a balloon frame and braced rafter roof construction, see illustration on page 5, which clearly shows this type of barn frame. All framing timbers are spaced 22⅜ inches apart; each set of rafters is individually braced; the sills and top plates are doubled. Barns over 24 feet in width have two built-up heavy plank girders running lengthwise through the barn. To obtain maximum strength, all corner posts are built up of three heavy studs. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber is Already Cut and Fitted. For the size of all studs, joists and other framing members, read the "HONOR BILT" specifications on page 5.

Siding: The outside walls are covered with a dressed and matched drop siding of Yellow Pine or Cypress, "The Wood Eternal." Where weather resisting qualities are wanted, Cypress cannot be excelled. For illustrations and description of siding grades and patterns, see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. This flooring can be driven up tight to prevent the hay dust from sifting through on the stock below.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Large double sliding driveway doors, 12 feet 4 inches wide and 12 feet high, with small built-in door for foot entrance, are provided on both sides of the barn. Two double leaf swing doors, 3 feet 9 inches by 7 feet 10½ inches high, are also furnished at each end of the barn, except in barns 24 and 28 feet wide, there is only one door in each end.

All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.

Heavy plank door frames, outside casings and surfaced track plank are also included. For description and illustration of doors, see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into four lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 1 foot 10½ inches by 2 feet 9½ inches.

The window frames are made of practically clear lumber. All frames are shipped carefully bundled ready to nail together.

Windows are spaced 8 feet on center. For full description and illustration of windows, see page 8.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

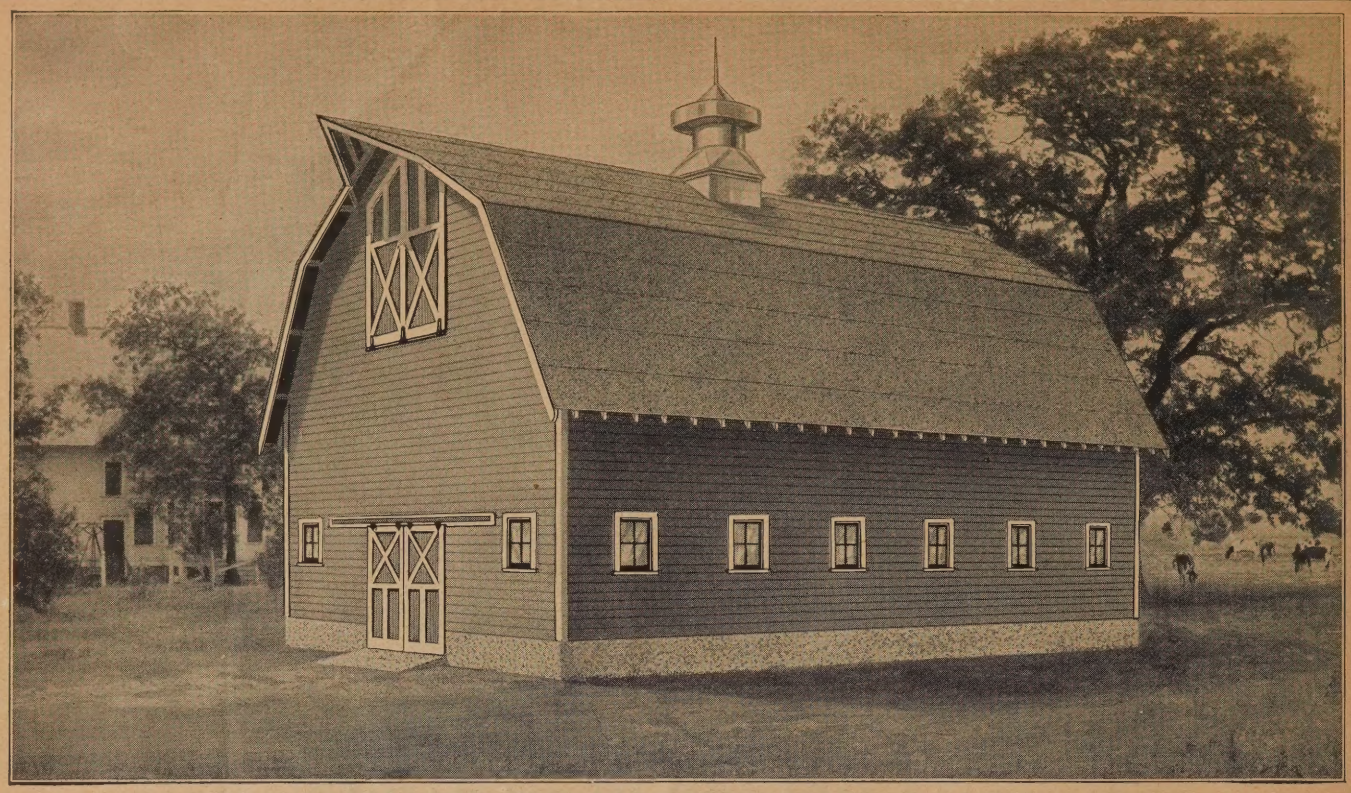
Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted. Mention the height of wood wall wanted and return for a delivered price on your barn *complete.*

Sizes: We can furnish this barn 24 feet, 28 feet, 30 feet, 32 feet, 34 feet and 36 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



LOW PRICED GAMBREL ROOF BARN No. 5296

What Our Low Price Includes:

Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Sash
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$528.00 FOR THIS GAMBREL ROOF BARN
Size, 24x28 Feet.
Already Cut and Fitted

Prices on any length quoted on request

Satisfaction Guaranteed—No Extras.

WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry material or barn equipment. For optional items see page 4.

THE FARMER who is forced to make every dollar go the farthest, will find this the biggest barn value for the least money. The plain simple lines are admirably suited to economical construction. The specifications have been carefully studied out and all those desirable features essential to good sturdy construction have been embodied. Read the specifications carefully. You will find this barn far better built than the average farm barn in your locality. In counting the cost remember, too, that all the framing lumber is cut and fitted, the doors are factory made, ready to hang and, together with our exceptionally low price, means a completed cost that you cannot duplicate locally. Our guarantee assures you of a barn that will stand rigid and plumb and give you the years of service and satisfaction that you have the right to expect.

Specifications for Barn No. 5296

Plans: Complete plans and building details, accurately drawn by experienced barn architects, furnished with this barn.

Masonry Work: The foundation walls are to be built of concrete, or other masonry material and extend 2 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: This barn is of a balloon frame and braced rafter roof construction. See the illustration on page 5 which clearly shows this type of barn frame. All framing timbers are spaced 22⅜ inches apart; each set of rafters is individually braced; the sills and top plates are doubled. Barns over 24 feet in width have two built-up heavy plank girders running lengthwise through the barn. To obtain maximum strength, all corner posts are built up of three heavy studs. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber is Already Cut and Fitted.

Siding: The outside walls are covered with a dressed and matched drop siding of Yellow Pine. For illustrations and description of siding grades and patterns, see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. This flooring can be driven up tight to prevent the hay dust from sifting through on the stock below.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For wood shingles, a square edged sheathing is furnished.

Roofing: Oriental Slate Surfaced Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate. Heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Double sliding doors, 8 feet 2 inches by 8 feet, are provided at each end of the barn. A single sliding door is located at each corner of the barn when furnished 24 feet wide. The hinged gable hay door is 9 feet 4 inches by 12 feet in size.
All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.
For description and illustration of doors, see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into four lights, are 1⅛ inches thick, and glazed with clear glass. The opening size is 1 foot 10½ inches by 2 feet 9½ inches.
Windows are spaced 8 feet on center.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal."

Paint: Best quality barn paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted. Mention height of wood wall wanted and return for a delivered price on your barn *complete.*

Sizes: We can furnish this barn 24 feet, 28 feet, 30 feet, 32 feet, 34 feet and 36 feet wide. The length and height of stud wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN

LOW PRICED GOTHIC ROOF BARN No. 5297

What Our Low Price Includes:

Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Sash
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$572.00 FOR THIS GOTHIC ROOF BARN
Size, 24x28 Feet.
Already Cut and Fitted
Prices on any length quoted on request

Satisfaction Guaranteed—No Extras.

WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry material or barn equipment. For optional items see page 4.

SIMPLICITY means economy, but not necessarily ugliness. Here is a good looking, sturdy and well proportioned Gothic Roof Barn that you will be proud to own and show your neighbors. We have made a special low price on this barn, but the same high quality materials are specified and the same strong framing lumber as used for "HONOR BILT" construction will be found in this barn. Only after years of satisfactory service will you fully appreciate its worth and the very low price you paid for it. With all the framing lumber Already Cut and Fitted, all the circular sawing done at our factory, and with our simple plans and directions to guide you, the erection of this barn is possible with the help of a few handy men always available in every community.

Specifications for Barn No. 5297

Plans: Complete plans and building details accurately drawn by experienced barn architects are furnished with this barn.

Masonry Work: The foundation walls are to be built of concrete, or other masonry material and extend 2 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: This barn is of a balloon frame and Gothic roof construction. See illustration on page 7 which clearly shows this type of barn roof. All framing timbers are spaced 22⅜ inches apart; the sills and top plates are doubled. Barns over 24 feet in width have two built-up heavy plank girders running lengthwise through the barn. To obtain maximum strength, all corner posts are built up of three heavy studs. Simple directions make it easy to build the Gothic roof rafters. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber is Already Cut and Fitted.

Siding: The outside walls are covered with a dressed and matched drop siding of Yellow Pine. For illustrations and description of siding grades and patterns, see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. This flooring can be driven up tight to prevent the hay dust from sifting through on the stock below.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For wood shingles, a square edged sheathing is furnished.

Roofing: Oriental Slate Surfaced Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate. Heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Double sliding doors, 8 feet 2 inches by 8 feet, are provided at each end of the barn. A single sliding door is located at each corner of the barn when furnished 24 feet wide. The hinged gable hay door is 9 feet 4 inches by 12 feet in size. All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.
For description and illustration of doors, see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into four lights, are 1⅛ inches thick, and glazed with clear glass. The opening size is 1 foot 10½ inches by 2 feet 9½ inches.
Windows are spaced 8 feet on center.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal."

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

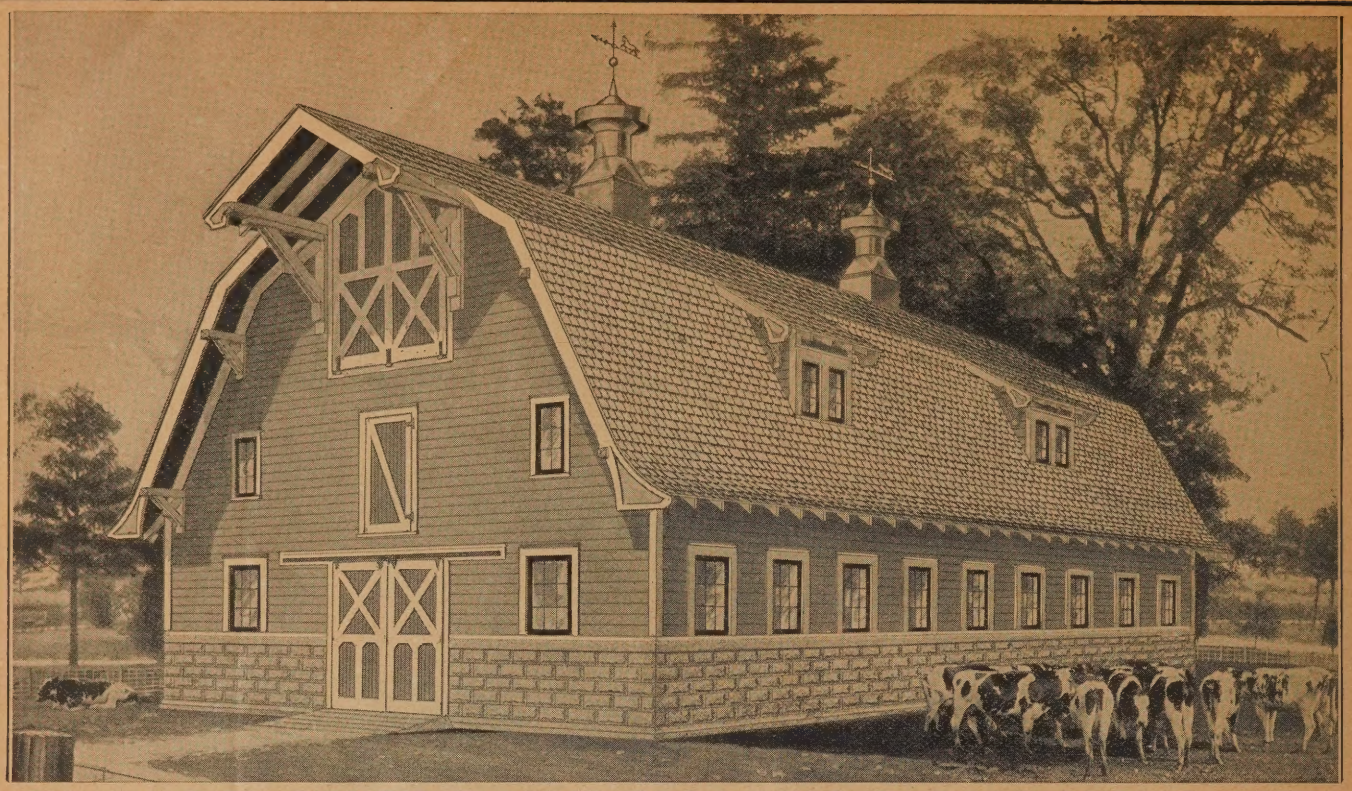
Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted. Mention the height of wood wall wanted and return for a delivered price on your barn complete.

Sizes: We can furnish this barn 24 feet, 28 feet, 30 feet, 32 feet, 34 feet and 36 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



"COUNTRY GENTLEMAN" MODERN FARM BARN No. 3007

What Our Low Price Includes:
Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$933.00 FOR THIS "HONOR BILT" BARN
Size, 32x38 Feet.
Already Cut and Fitted

Prices on any length quoted on request

Satisfaction Guaranteed—No Extras.
WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry material or barn equipment. For optional items see page 4.

THERE IS a quiet charm about this "HONOR BILT" braced rafter barn. It represents a most approved type of American Barn architecture and well deserves its name—"The Country Gentleman." It is designed to meet all modern sanitary requirements and is well lighted by numerous large windows that make it a bright and cheery place to do the chores. For the dairyman, for the horseman, or for the farmer with mixed stock, this barn is equally useful and possesses many carefully studied details that will make it a distinctive addition to any farmstead.

"Honor Bilt" Specifications for Barn No. 3007

Plans: Complete plans and building details accurately drawn by experienced barn architects are furnished with this "HONOR BILT" Barn.

Masonry Work: The foundation walls are to be built of concrete blocks or other masonry material and extend 4 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: This barn is of a balloon frame and braced rafter roof construction. See the illustration on page 5 which clearly shows this type of barn frame. All framing timbers are spaced 22⅜ inches apart; each set of rafters is individually braced; the sills and top plates are doubled. Barns over 24 feet in width have two built-up heavy plank girders running lengthwise through the barn. To obtain maximum strength, all corner posts are built up of three heavy studs. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber is Already Cut and Fitted. For the size of all studs, joists and other framing members, read the "HONOR BILT" specifications on page 5.

Siding: The outside walls are covered with a dressed and matched drop siding of Yellow Pine or Cypress, "The Wood Eternal." Where weather resisting qualities are wanted, Cypress cannot be excelled. For illustration and description of siding grades and patterns, see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. This flooring can be driven up tight to prevent the hay dust from sifting through on the stock below.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Double sliding doors, 8 feet 2 inches by 8 feet, are provided at each end of the barn. The hinged gable hay door is 9 feet 4 inches by 12 feet in size. The small door at the mow level is convenient for many purposes.
All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.
Heavy plank door frames, outside casings and surfaced track plank are also included. For description and illustration of doors, see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into nine lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 2 feet 8 inches by 3 feet 6 inches.
The window frames are made of practically clear lumber. All frames are shipped carefully bundled ready to nail together.
Windows are spaced 6 feet on center. Ventilation shields are included. For full description and illustration of windows, see page 8.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

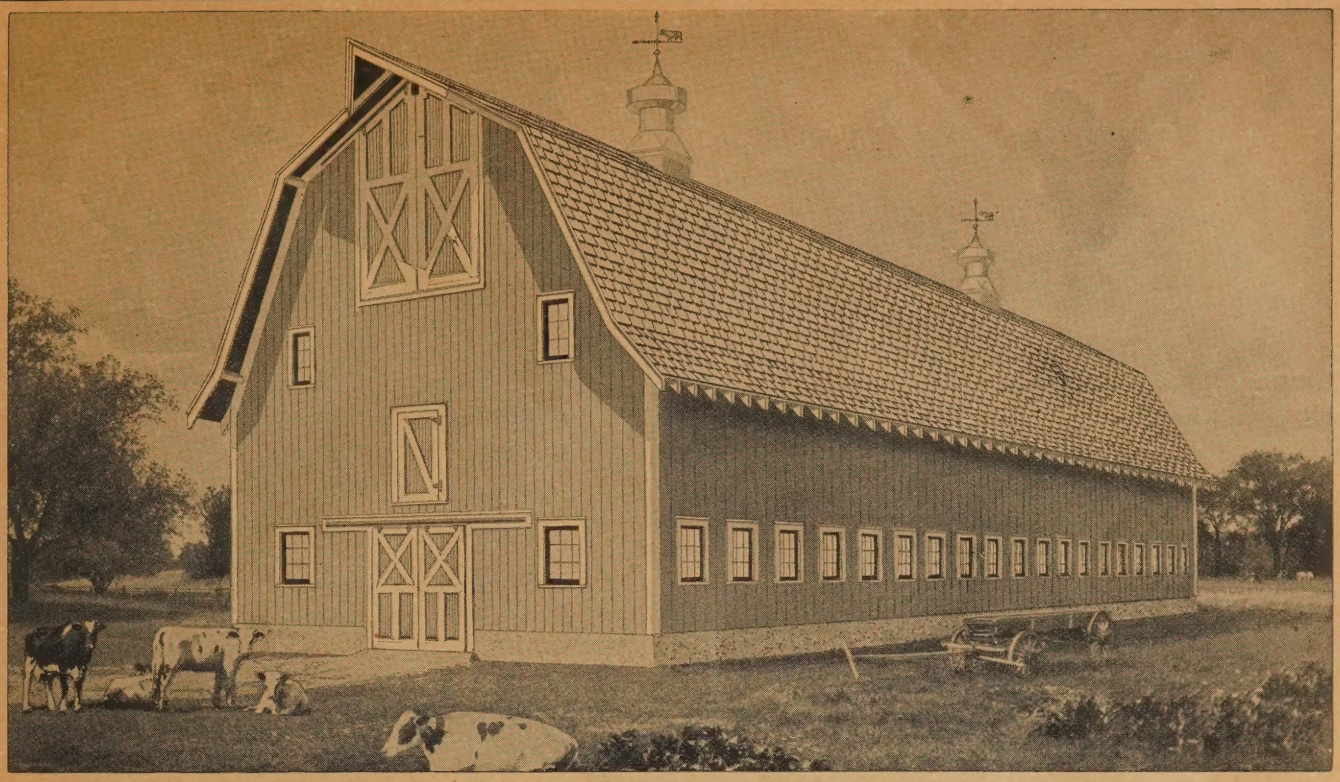
Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted. Mention the height of wood wall wanted and return for a delivered price on your barn *complete*.

Sizes: We can furnish this barn 32 feet, 34 feet and 36 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



"FAVORITE" MODERN FARM BARN No. 2059

What Our Low Price Includes:

Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$965.75 FOR THIS "HONOR BILT" BARN
Size, 30x42 Feet
Already Cut and Fitted
Prices on any length quoted on request

Satisfaction Guaranteed—No Extras.

WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry material or barn equipment. For optional items see page 4.

THE NEEDS of the farmer who is obliged to make every dollar show up for its full value were kept in mind in the designing of this Gambrel Trussed Roof Barn. Every stick of lumber built into it was put there for a definite purpose. A plank frame barn of this construction can be raised by a small crew of men. It is built stanch and sturdy to give honest service, is well lighted and will meet the requirements of both the dairyman and the general farmer.

"Honor Bilt" Specifications for Barn No. 2059

Plans: Complete plans and building details accurately drawn by experienced barn architects are furnished with this "HONOR BILT" Barn.

Masonry Work: The foundation walls are to be built of concrete, or other masonry material, and extend 2 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: A post and girt frame and a trussed roof construction is used. The roof is supported by plank trusses, similar to the construction shown on page 6. The side wall posts and intermediate studs run from sill to top plate. Trusses are spaced 14 feet on center; the nailing girts are spiked to wall posts; the rafters and joists are spaced 22⅜ inches apart. Barns over 24 feet wide have two built-up heavy girders running lengthwise through the barn. The sills and top plates are doubled and all corner posts are built up of three heavy studs. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber is Already Cut and Fitted and has been carefully figured out to carry maximum loads.

Siding: The outside walls are covered with a double "V" dressed and matched siding of Yellow Pine or Cypress, "The Wood Eternal," put on vertically. Where weather resisting qualities are wanted, Cypress cannot be excelled. For illustrations and descriptions of siding grades and patterns see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. This flooring can be driven up tight to prevent the hay dust from sifting through on the stock below.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only clear Cypress, "The Wood Eternal," is used for the doors. Double sliding doors, 8 feet 2 inches by 8 feet, are provided for each end of the barn. A single sliding door is located at each corner of the barn when furnished 24 feet wide. The sliding gable hay door is 9 feet 4 inches by 12 feet in size. The small door at the mow level is convenient for many purposes. All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.
Heavy plank door frames, outside casings and surfaced track plank are also included. For description and illustration of doors see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into nine lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 2 feet 8 inches by 3 feet 6 inches.
The window frames are made of practically clear lumber. All frames are shipped carefully bundled ready to nail together.
Windows are spaced 7 feet on center. Ventilation shields are included. For full description and illustration of windows, see page 8.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

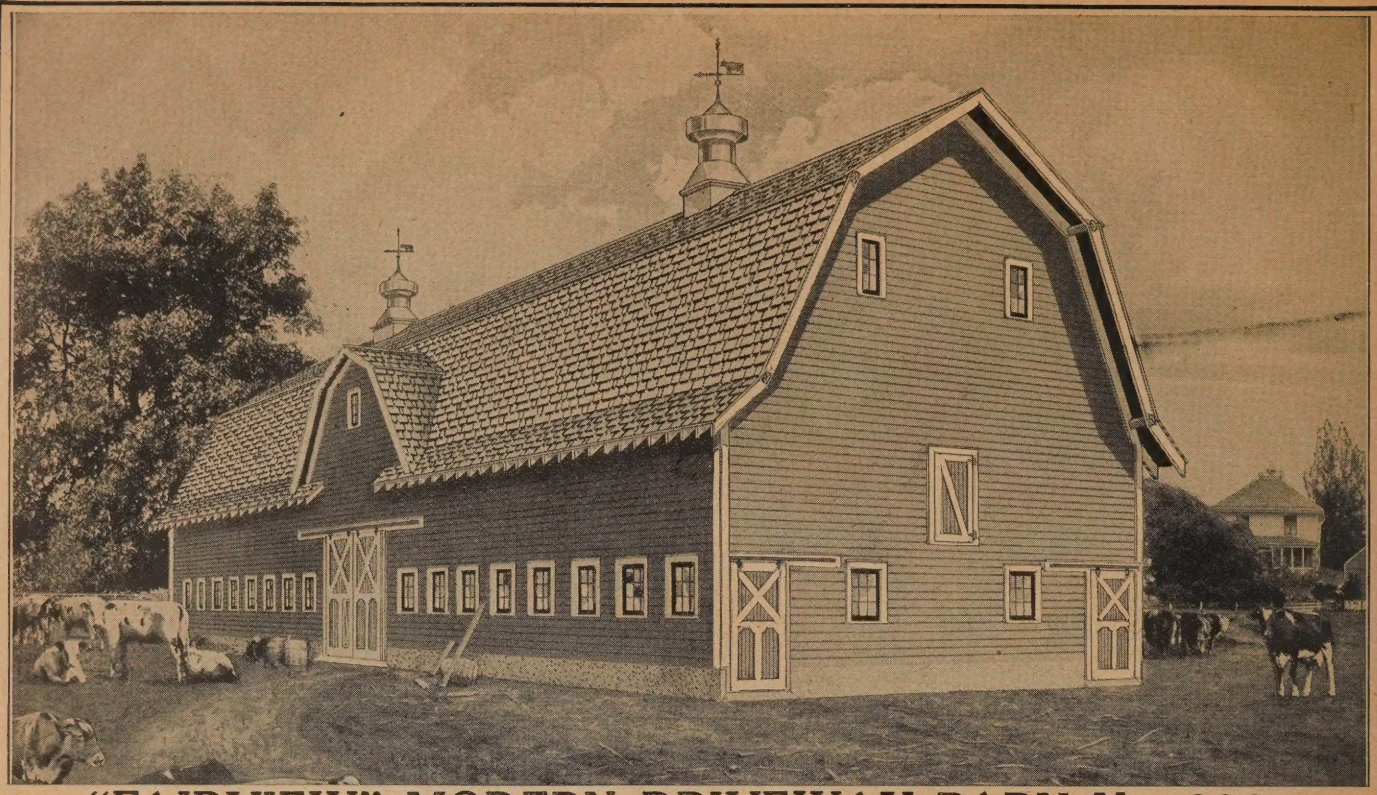
Hardware: The ground floor doors and gable hay doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted, and return for a delivered price on your barn *complete*. Mention the height of wood wall wanted.

Sizes: We can furnish this barn 24 feet, 28 feet, 30 feet, 32 feet, 34 feet, 36 feet and 40 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



"FAIRVIEW" MODERN DRIVEWAY BARN No. 2068

What Our Low Price Includes:

Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$945.00 FOR THIS "HONOR BILT" BARN
Size, 30x44 Feet.
Already Cut and Fitted
Prices on any length quoted on request.

Satisfaction Guaranteed—No Extras.

WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry materials or barn equipments. For optional items see page 4.

THIS DRIVEWAY Barn has many conveniences. The arrangement permits driving into the barn with a load of hay or grain and unloading under cover. This is a big advantage in inclement weather. The driveway, open to the roof, may also serve as a threshing floor or for implement storage during the winter months. The large nine-light sash provide plenty of light in either section of the barn for the stabling of horses and cows. Where these are housed under one roof, this arrangement is especially recommended. The roof is well proportioned and the large dormers above the driveway doors add considerably to the good appearance of this "HONOR BILT" braced rafter barn.

"Honor Bilt" Specifications for Barn No. 2068

Plans: Complete plans and building details accurately drawn by experienced barn architects are furnished with this "HONOR BILT" Barn.

Masonry Work: The foundation walls are to be built of concrete, or other masonry material and extend 2 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: This barn is of a balloon frame and braced rafter roof construction. See the illustration on page 5 which clearly shows this type of barn frame. All framing timbers are spaced 22⅜ inches apart; each set of rafters is individually braced; the sills and top plates are doubled. Barns over 24 feet in width have two built-up heavy plank girders running lengthwise through the barn. To obtain maximum strength, all corner posts are built up of three heavy studs. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber is Already Cut and Fitted. For the size of all studs, joists and other framing members, read the "HONOR BILT" specifications on page 5.

Siding: The outside walls are covered with a dressed and matched drop siding of Yellow Pine or Cypress, "The Wood Eternal." Where weather resisting qualities are wanted, Cypress cannot be excelled. For illustrations and description of siding grades and patterns, see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. This flooring can be driven up tight to prevent the hay dust from sifting through on the stock below.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Large double sliding driveway doors, 12 feet 4 inches wide and 12 feet high, with small built-in door for foot entrance, are provided on both sides of the barn. Two sliding doors 4 feet 2 inches wide and 8 feet high are also furnished at each end of barn. The small door at each end of the mow level is convenient for many purposes.

All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.

Heavy plank door frames, outside casings and surfaced track plank are also included. For description and illustration of doors, see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into nine lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 2 feet 8 inches by 3 feet 6 inches.

The window frames are made of practically clear lumber. All frames are shipped carefully bundled ready to nail together.

Windows are spaced 6 feet on center. Ventilation shields are included. For full description and illustration of windows, see page 8.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

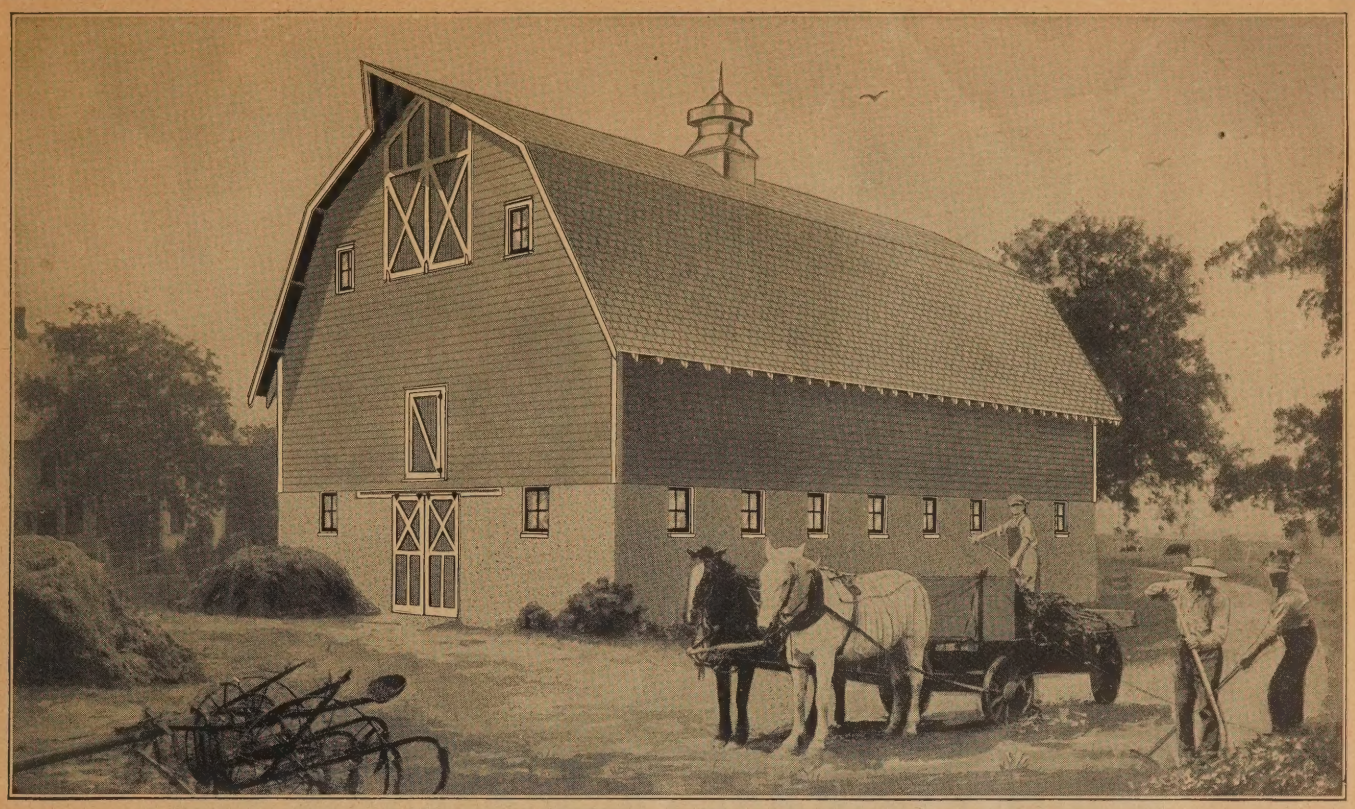
Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted. Mention the height of wood wall wanted and return for a delivered price on your barn *complete*.

Sizes: We can furnish this barn 24 feet, 28 feet, 30 feet, 32 feet, 34 feet and 36 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



"ECONOMY" GENERAL FARM BARN No. 5298

What Our Low Price Includes:

Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$858.00 FOR THIS "HONOR BILT" BARN
Size, 28x48 Feet.
Already Cut and Fitted
Prices on any length quoted on request.

Satisfaction Guaranteed—No Extras.
WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry materials or barn equipments. For optional items see page 4.

THIS BARN has been designed to meet the demands of the farmer who wishes to build a barn with a high masonry wall and does not require a large overhead loft. With sand and gravel or native stone available for the basement wall, this type of barn can be erected for a surprisingly small outlay of money. The illustration below shows how access to the mow is possible by building into the side of a hill or dirt bank.

"Honor Bilt" Specifications for Barn No. 5298

Plans: Complete plans are furnished with this "HONOR BILT" Barn.

Masonry Work: The basement walls extend 9 feet above the grade line.

Construction: This barn is of a balloon frame and combination braced rafter and trussed roof construction. The illustration below clearly shows this type of barn frame. All framing timbers are spaced 22⅜ inches apart; the stud wall is 8 feet high; the sills and top plates are doubled. Barns over 24 feet in width have two built-up heavy plank girders running lengthwise through the barn. The ground floor height is 8 feet 6 inches.

Framing Lumber: No. 1 Yellow Pine, the strongest and best structural lumber, is specified. The framing lumber is Already Cut and Fitted.

Siding: The outside walls are covered with a dressed and matched drop siding of Yellow Pine or Cypress. See page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine.

Roof Sheathing: A good grade of tongued and grooved Yellow Pine roof sheathing is furnished. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Double sliding doors, 8 feet 2 inches by 8 feet, are provided at each end of the barn. The hinged gable hay door is 9 feet 4 inches by 12 feet in size. The small door at the mow level is convenient for many purposes. All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry. Door frames are also included. See page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into four lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 1 foot 10½ inches by 2 feet 9½ inches. The window frames are made of practically clear lumber. Windows are spaced 6 feet on center. See page 8.

Exterior Trim: All outside finish is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

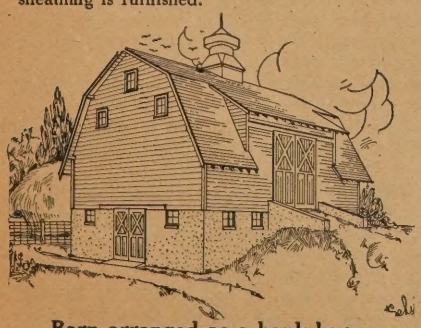
Paint: Best quality house paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. See page 38.

Nails: Enough nails and spikes are guaranteed.

Changes: The locations of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted, and return for a delivered price on your barn *complete*.

Sizes: We can furnish this barn 24 feet, 28 feet, 30 feet, 32 feet and 34 feet wide. The length will depend on your own requirements and the number of stock you wish to stable.



Barn arranged as a bank barn.

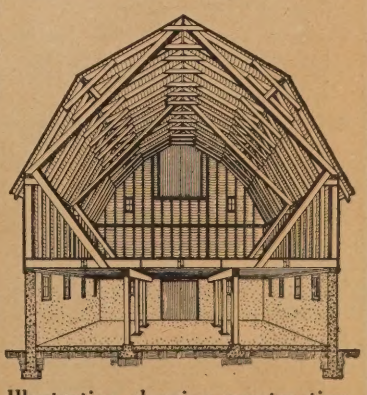


Illustration showing construction.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN

MODERN GENERAL FARM BARN No. 3022

What Our Low Price Includes:
Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$1,250.00 FOR THIS "HONOR BILT" BARN
Size, 30x42 Feet.
Already Cut and Fitted
Prices on any length quoted on request

Satisfaction Guaranteed—No Extras.
WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry material or barn equipment. For optional items see page 4.

OWING TO the increasing popularity of the Gothic Roof, the erection of this splendidly proportioned barn will create favorable comment in any community. In general appearance this barn is rather imposing and is therefore best adapted to a site having a prominent outlook in all directions. The large 12-foot mow doors will allow the entrance of a bumper load of hay. The loft is spacious and the trusses are so located that they will in no way interfere with the easy mowing away of the hay. Great care has been devoted to the construction of this barn and all those costly and elaborate details that would needlessly increase its cost have been omitted.

"Honor Bilt" Specifications for Barn No. 3022

Plans: Complete plans and building details accurately drawn by experienced barn architects are furnished with this "HONOR BILT" Barn.

Masonry Work: The basement walls are to be built of concrete, or other masonry material, and extend to the level of mow floor.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: This barn is of a post and girt frame and Gothic trussed roof construction. See the small cross section above, which clearly shows this type of barn frame. Trusses are spaced 14 feet on center. Simple directions make it easy to build the Gothic roof rafters. Joists are spaced 22⅜ inches apart. Barns over 24 feet wide have two heavy built-up girders running lengthwise through the barn. The sill and top plates are doubled and all corner posts are built up of three heavy studs. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber is Already Cut and Fitted, and has been carefully figured out to carry maximum loads.

Siding: The outside walls are covered with a double "V" dressed and matched siding of Yellow Pine or Cypress, "The Wood Eternal." Where weather resisting qualities are wanted, Cypress cannot be excelled. For illustrations and description of siding grades and patterns, see page 9.

Mow Flooring: The mow joists are covered with tongued and grooved No. 1 Yellow Pine. A heavy plank floor laid over the tongued and grooved loft floor is specified for the driveway.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Large double sliding driveway doors, 12 feet 4 inches wide and 12 feet high, with small built-in door for foot entrance are provided for the mow. Four Dutch doors, 3 feet 9 inches by 7 feet 10½ inches, are also furnished in the basement of the barn. The small door at one end is convenient for many purposes. All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.
Heavy plank door frames, outside casings and surfaced track plank are also included. For description and illustration of doors, see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into nine lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 2 feet 8 inches by 3 feet 6 inches.
The window frames are made of practically clear lumber. All frames are shipped carefully bundled ready to nail together.
Windows are provided for two ends and one side of barn. For full description and illustration of windows, see page 8.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

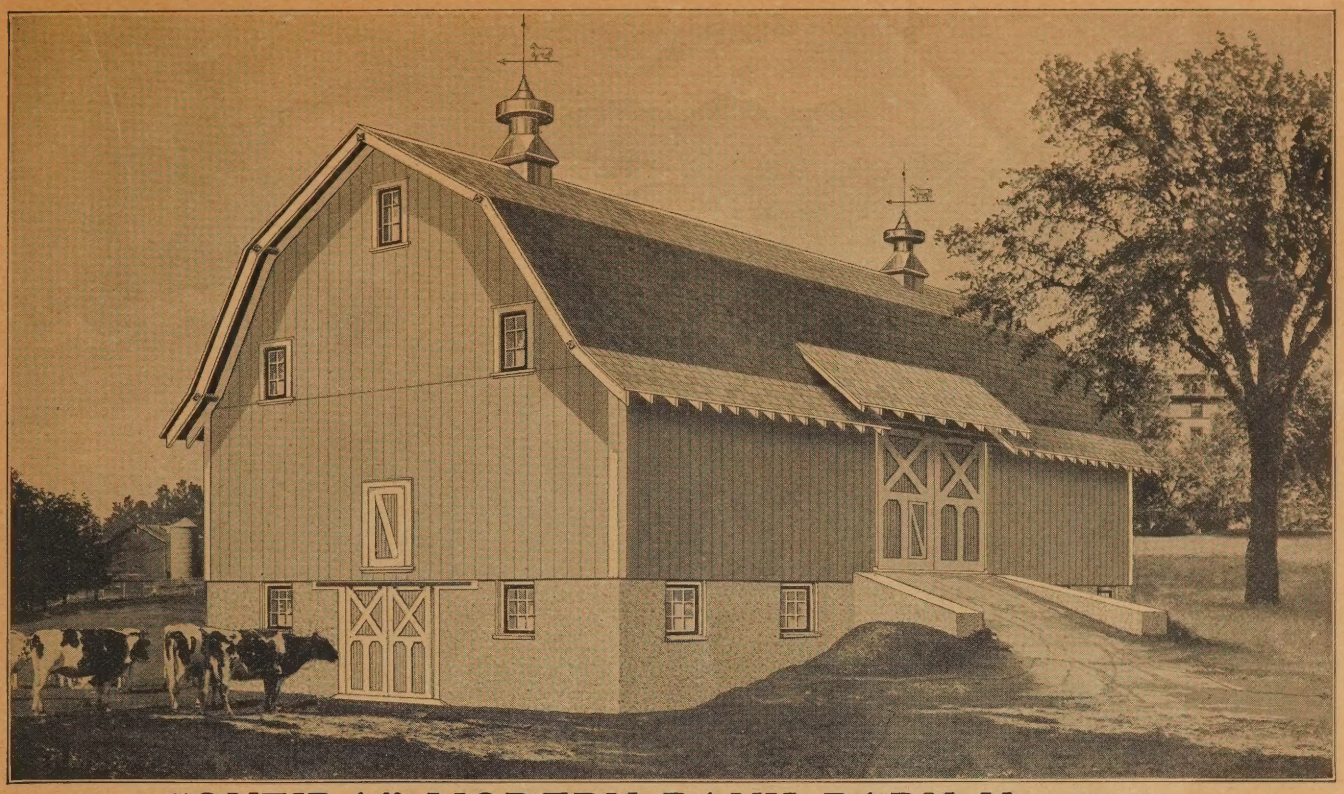
Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For description of hardware, see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted. Mention the height of wood wall wanted and return for a delivered price on your barn *complete*.

Sizes: We can furnish this barn 30 feet, 32 feet, 34 feet, 36 feet and 40 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



"ONEIDA" MODERN BANK BARN No. 2063

What Our Low Price Includes:

Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$1,083.00 FOR THIS "HONOR BILT" BARN
Size, 30x42 Feet.
Already Cut and Fitted
Prices on any length quoted on request

Satisfaction Guaranteed—No Extras.

WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry materials or barn equipment. For optional items see page 4.

A HILLY COUNTRYSIDE lends itself very favorably to this type of barn. Built into the side of a hill, it permits easy access to the mow with team and load. If desired, the driveway can be omitted and a gable end hay door substituted. The wood wall studs are 14 feet high, allowing a 12-foot clear opening for the driveway. The mow is large and unobstructed, the construction is simple and the man wishing a strong and sturdy bank barn will find that this barn can be built at a remarkable saving of money, time and labor.

"Honor Bilt" Specifications for Barn No. 2063

Plans: Complete plans and building details, accurately drawn by experienced barn architects, are furnished with this "HONOR BILT" Barn.

Masonry Work: The basement walls are to be built of concrete, or other masonry material and extend 9 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: This barn is of a post and girt frame and trussed roof construction. See the illustrations on pages 6, 32 and 33, which clearly show this type of barn frame. The rafters are spaced 2 feet on center and are supported by plank trusses spaced 14 feet apart. The joists are spaced 22⅜ inches apart and barns over 24 feet in width have two built-up heavy plank girders running lengthwise through the barn. To obtain maximum strength, all corner posts are built up of three heavy framing members. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber is Already Cut and Fitted. For the size of all studs, joists and other framing members, read the "HONOR BILT" specifications on page 6.

Siding: The outside walls are covered with a dressed and matched drop siding of Yellow Pine or Cypress, "The Wood Eternal." Where weather resisting qualities are wanted, Cypress cannot be excelled. For illustrations and description of siding grades and patterns, see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. A heavy plank floor, laid over the tongued and grooved loft floor, is specified for the driveway.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Large double sliding driveway doors, 12 feet 4 inches wide and 12 feet high, with small built-in door for foot entrance are provided for the mow. Double sliding doors, 8 feet 2 inches by 8 feet, are also furnished for the basement. The small door at each end is convenient for many purposes. All doors come "Ready Made," ready to hang, painted with one coat of linseed oil paint. Better than doors made on the job by hand carpentry. Heavy plank door frames, outside casings and surfaced track plank are also included. For description and illustration of doors, see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into nine lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 2 feet 8 inches by 3 feet 6 inches.
The window frames are made of practically clear lumber. All frames are shipped carefully bundled ready to nail together.
Windows are spaced 7 feet on center. No windows are included for bank side of barn. Ventilation shields are included. For full description and illustration of windows, see page 8.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

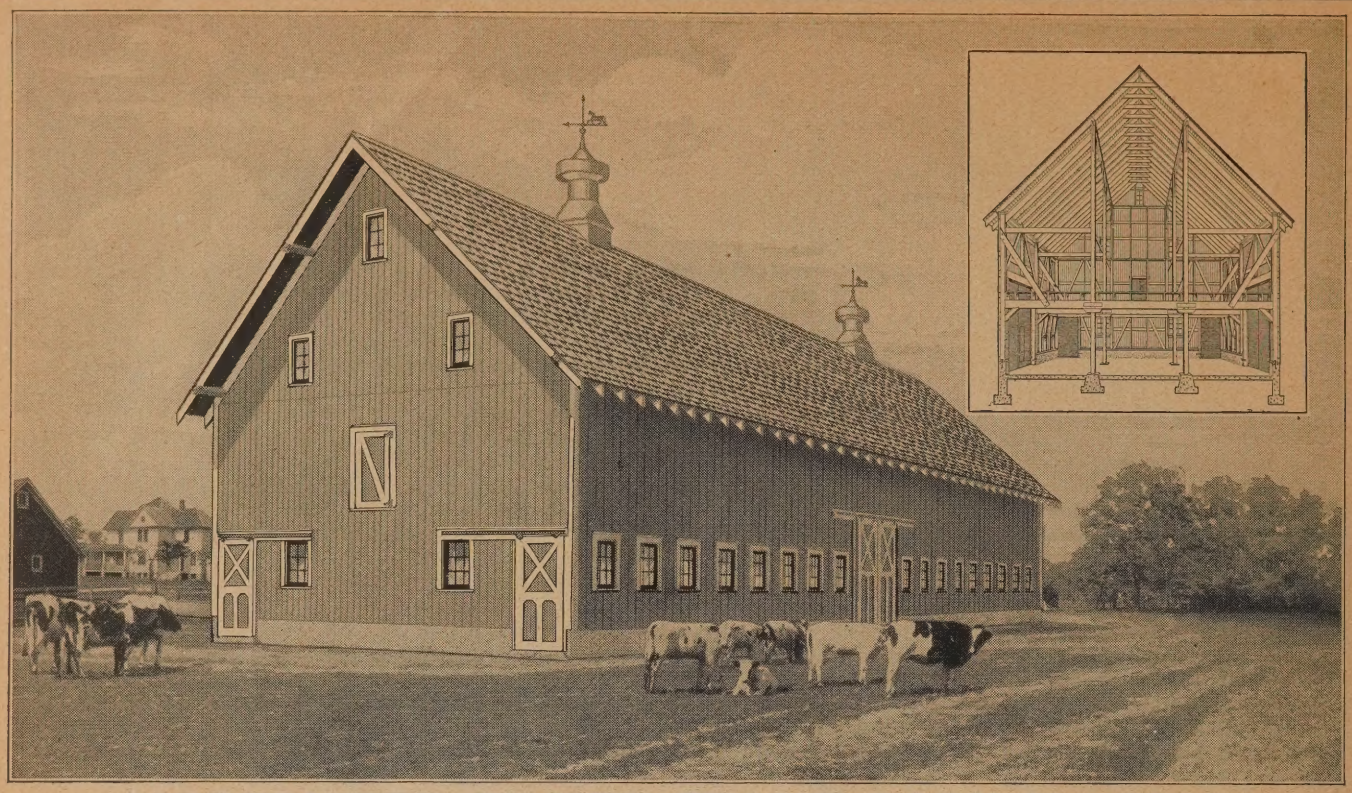
Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted. Mention the height of wood wall wanted and return for a delivered price on your barn *complete*.

Sizes: We can furnish this barn 30 feet, 32 feet, 34 feet, 36 feet and 40 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



MODERNIZED TIMBER FRAME BARN No. 2064

What Our Low Price Includes:

Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$923.00

FOR THIS
"HONOR BILT" BARN
Size, 28x42 Feet.
Already Cut and Fitted
Prices on any length quoted on request

Satisfaction Guaranteed—No Extras

WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry materials or barn equipment. For optional items see page 4.

HERE is a modified Timber Frame Barn resembling in its general exterior appearance the once popular heavy timber barn built so extensively a decade or two ago. The framing timbers are built up of 2-inch plank to the desired strength and are so skillfully joined and interlocked that for strength and rigidity it is far superior to the heavy timber type of framing. Easy to erect and economical in the use of lumber, this Already Cut and Fitted barn embodies all those good features of barn framing so well figured out and arranged that its erection is possible at a very moderate cost.

"Honor Bilt" Specifications for Barn No. 2064

Plans: Complete plans and building details, accurately drawn by experienced barn architects, are furnished with this "HONOR BILT" Barn.

Masonry Work: The foundation walls are to be built of concrete, or other masonry material, and extend 2 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: A modified timber frame construction is used. The illustration above shows this type of barn frame. All framing timbers are built up out of heavy 2-inch plank, the sills and top plates are doubled. Girders run crosswise through the barn. To obtain maximum strength, all corner posts are built up of three heavy studs. The ground floor height is 8 feet 6 inches.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber is Already Cut and Fitted.

Siding: The outside walls are covered with a dressed and matched double "V" siding of Yellow Pine or Cypress, "The Wood Eternal." Where weather resisting qualities are wanted, Cypress cannot be excelled. For illustrations and description of siding grades and patterns, see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. This flooring can be driven up tight to prevent the hay dust from sifting through on the stock below.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Double sliding doors, 12 feet 4 inches by 12 feet, are provided at each side of the barn. Two single sliding doors 4x8 feet are furnished for each end of the barn. The small door at the mow level is convenient for many purposes.

All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.

Heavy plank door frames, outside casings and surfaced track plank are also included. For description and illustration of doors, see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into nine lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 2 feet 8 inches by 3 feet 6 inches.

The window frames are made of practically clear lumber. All frames are shipped carefully bundled ready to nail together.

Windows are spaced 7 feet on center. For full description and illustration of windows, see page 8.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combination may be selected from page 37.

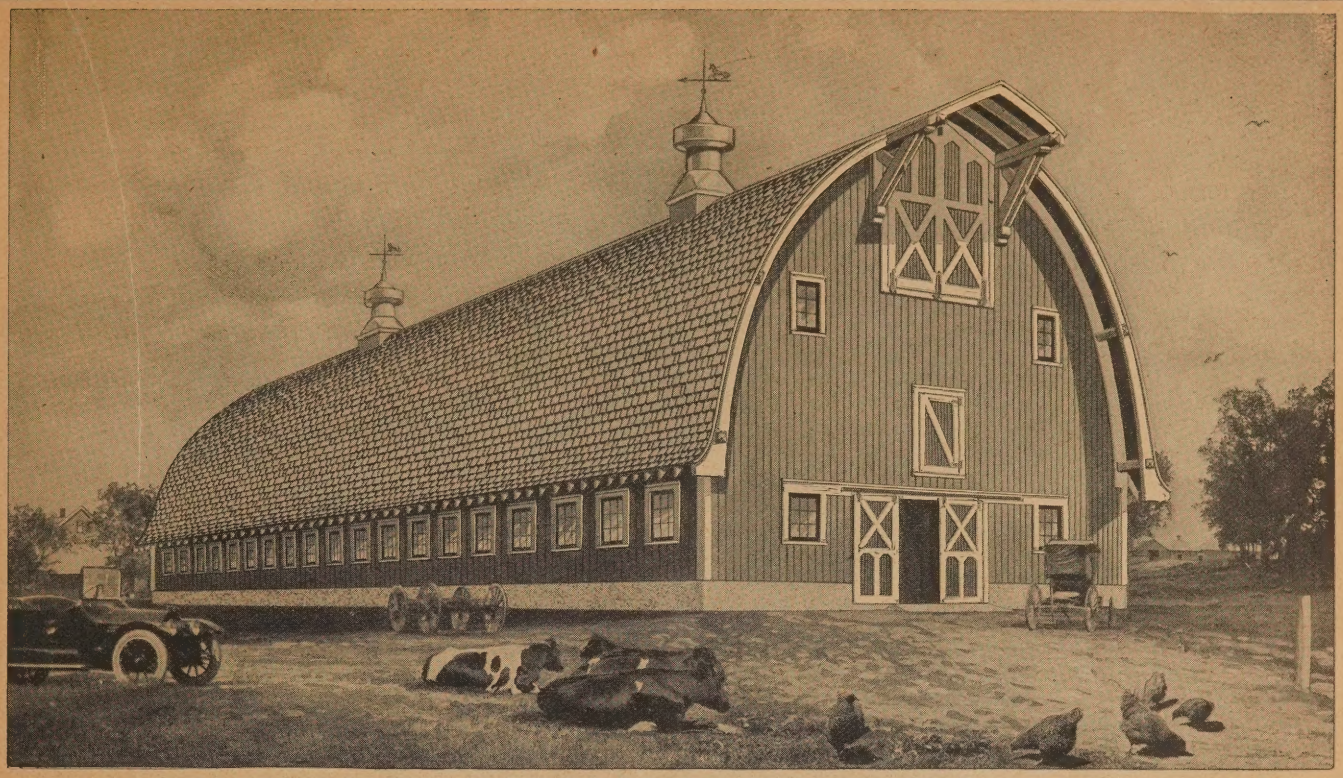
Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted. Mention the height of wood wall and return for a delivered price on your barn *complete*.

Sizes: We can furnish this barn 24 feet, 28 feet, 30 feet, 32 feet, 34 feet, 36 feet and 40 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



"CYCLONE" MODERN FARM BARN No. 3026

What Our Low Price Includes:
Framing Lumber—Outside Siding
Mow Flooring—Roof Sheathing
Factory Made Doors—Windows
Outside Finish Lumber—Nails
Roofing—Paints—Bolts
Hardware—Working Plans

$960.00 FOR THIS "HONOR BILT" BARN
Size, 32x38 Feet.
Already Cut and Fitted
Prices on any length quoted on request.

Satisfaction Guaranteed—No Extras.
WE GUARANTEE enough material to complete this barn above the foundation. Price does not include masonry material or barn equipment. For optional items see page 4.

COMBINING good appearance with strong construction and ample storage capacity, this "Cyclone" Gothic Roof Barn will be a landmark in your locality. The side walls are low and the curved roof offers the least resistance to wind pressure. It is designed principally for such sections of the country where storms and high winds are frequent. The large windows admit an abundance of sunlight and it may be used as a dairy barn, a horse barn or a barn for mixed stock. This barn will form the hub of a good set of farm buildings that will be a credit to your farm.

"Honor Bilt" Specifications for Barn No. 3026

Plans: Complete plans and building details accurately drawn by experienced barn architects are furnished with this "HONOR BILT" Barn.

Masonry Work: The foundation walls are to be built of concrete, or other masonry material, and extend 2 feet above the grade line.

Anchor Bolts: Heavy bolts and washers for anchoring the barn sill to foundation are liberally provided.

Construction: This barn is of a stud and girt side wall and a Gothic roof construction. See the illustration on page 7 which clearly shows this type of barn frame. Nailing girts are 2x6 inches and are spiked to the studs which are spaced 3 feet on center. The joists are spaced 16⅜ inches apart, the sill and top plates are doubled; all corner posts are built up of three heavy studs and heavy built-up girders run lengthwise through the barn. Simple directions make it easy to build the Gothic roof rafters. The ground floor height is 8 feet 6 inches. Height from sill to eaves is 8 feet.

Framing Lumber: Nothing but No. 1 Yellow Pine, the strongest and best structural lumber, is specified. Every stick of framing lumber and the circular verge and frieze is Already Cut and Fitted. For the size of all studs, joists and other framing members, read the "HONOR BILT" specifications on page 7.

Siding: The outside walls are covered with a dressed and matched double "V" siding of Yellow Pine or Cypress, "The Wood Eternal," put on vertically. Where weather resisting qualities are wanted, Cypress cannot be excelled. For illustrations and descriptions of siding grades and patterns see page 9.

Mow Flooring: The mow joists are covered with a tongued and grooved No. 1 Yellow Pine. This flooring can be driven up tight to prevent the hay dust from sifting through on the stock below.

Roof Sheathing: A good grade of Yellow Pine roof sheathing is furnished. The sheathing is tongued and grooved if roll roofing is used. For asphalt or wood shingles, a square edged sheathing is furnished.

Roofing: Fire-Chief Shingle Roll Roofing is guaranteed for 17 years. It is surfaced with red or green crushed slate and resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles, or heavy 5 to 2 red cedar wood shingles furnished if desired.

Doors: Only Clear Cypress, "The Wood Eternal," is used for the doors. Double sliding doors, 8 feet 2 inches by 8 feet, are provided at each end of the barn. A single sliding door is located at each corner of the barn when furnished 24 feet wide. The hinged gable hay door is 9 feet 4 inches by 12 feet in size. The small door at the mow level is convenient for many purposes. All the doors come "Ready Made," ready to hang in place, painted with one coat of linseed oil paint, and are better than doors made on the job by hand carpentry.
Heavy plank door frames, outside casings and surfaced track plank are also included. For description and illustration of doors see page 8.

Windows: Clear California White Pine sash are liberally provided. The sash are divided into nine lights, are 1⅜ inches thick, and glazed with clear glass. The opening size is 2 feet 8 inches by 3 feet 6 inches.
The window frames are made of practically clear lumber. All frames are shipped carefully bundled ready to nail together.
Windows are spaced 6 feet on center. Ventilation shields are included. For full description and illustration of windows see page 8.

Exterior Trim: All outside finish, such as corner boards, outside casings, verge boards and frieze is Cypress, "The Wood Eternal." All rafter ends and gable lookouts are of dressed lumber.

Paint: Best quality house paint, enough for two outside coats, is furnished. Color combinations may be selected from page 37.

Hardware: The ground floor doors slide on Roll-Rite Hangers, the highest grade hanger we sell. Latches, hinges, guide rollers, bolts and screws are also included. For detailed description and illustration of hardware see page 38.

Nails: Enough nails and spikes of all sizes and kinds are guaranteed.

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted. Mention the height of wood wall wanted and return for a delivered price on your barn *complete.*

Sizes: We can furnish this barn 24 feet, 28 feet, 30 feet, 32 feet, 34 feet and 36 feet wide. The length and height of wood wall will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN

Low Priced Modern "Pioneer" Barn No. 3008, Already Cut and Fitted.

$796.00 FOR THIS "HONOR BILT" BARN
Size, 30x36 Feet.
Already Cut and Fitted
Prices on any length quoted on request.

"Pioneer" Barn No. 3008

The "Pioneer" Barn can be found in nearly all sections of the country. It is low in price and strongly constructed.

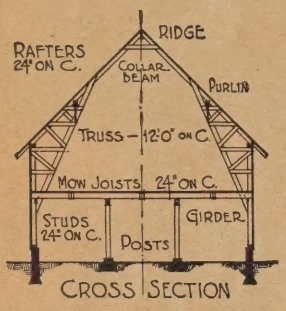
This barn is to be erected on a 2-foot concrete or masonry foundation. The ceiling is 8 feet 6 inches high. See small illustration for construction.

All framing lumber is of No. 1 Yellow Pine, already cut and fitted.

The outside walls are sided with drop siding of Cypress, "The Wood Eternal," or Yellow Pine. No. 1 yellow pine framing lumber and cypress siding insure a strong and rigid barn frame and outside walls that will last a lifetime.

The mow flooring is tongued and grooved No. 1 Yellow Pine. This flooring is superior to plain boards or shiplap and can be driven up tight to prevent the hay dust from sifting through on the stock below.

To make the roof good and strong, we furnish **tight fitting tongued and grooved sheathing boards** to be laid on the rafters and covered with **Fire-Chief Shingle Roll Roofing,** guaranteed by us for **seventeen years.** It resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog.



At the price quoted we will furnish all the material to build this barn, consisting of the framing lumber, siding, outside finish lumber, mow floor, roof sheathing, roofing, factory made doors and windows, paint, hardware, nails, bolts, and complete working plans. We guarantee enough materials to build this barn above the foundation. Price does not include masonry materials and barn equipments. For optional items see page 4.

Doors are made of Clear Cypress and are "ready made." Four Dutch doors and one gable hay door are furnished. Heavy door frames are provided. (See page 8.)

Four-light barn sash, opening size 1 foot 10½ inches by 2 feet 9½ inches, are furnished. (See page 8.)

The window frames are shipped carefully bundled ready to assemble. No sawing is required. Windows are spaced 6 feet on centers.

Hardware, such as latches, bolts, screws, nails, etc., is included in the price; also sufficient paint for two outside coats, oxide red for the body and white for the trim. You may select other combinations from our paint page. (See page 37.)

Changes: The location of all the doors and the windows can be changed to meet your own needs. Use the enclosed sketch sheet to outline your needs when changes are wanted, and return for a delivered price on your barn **complete.**

Sizes: We can furnish this barn 20 feet, 24 feet, 30 feet and 32 feet wide. The length will depend on your own requirements and the number of stock you wish to stable.

Our "already cut" feature, together with **"ready made"** doors, sash, etc., furnished at the prices quoted, make it possible for you to get this high class Pioneer Barn at a remarkable saving of time and labor. Free building plans, which are easy to understand, are furnished with every order.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN

Modern One-Story Barn No. 2067, Already Cut and Fitted.

$580.00 FOR THIS "HONOR BILT" BARN
Size, 34x50 Feet.
Already Cut and Fitted
Prices on any length quoted on request.

Modern One-Story Barn No. 2067

This barn is designed to meet the requirements of an inexpensive **modern** dairy barn or a general purpose barn. As a sheep barn it is very practical. It may be used as an independent unit or built onto an old barn as an "annex." **This solves the problem of a modern sanitary addition at the least expense.** Only good quality of material is furnished for this barn.

All framing lumber is of No. 1 Yellow Pine, already cut and fitted.

The outside walls are covered with drop siding of No. 1 Yellow Pine or of Cypress, "The Wood Eternal." This combination secures a very strong frame and outside walls that will withstand the weather for a lifetime.

To make the roof good and strong, we furnish **tight fitting tongued and grooved sheathing boards** to be laid on the rafters and covered with **Fire-Chief Shingle Roll Roofing. Fire-Chief Roofing** is guaranteed by us for **seventeen years.** It resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog.

At the price quoted we will furnish all the material to build this barn, consisting of the framing lumber, siding, outside finish lumber, roof sheathing, roofing, factory made doors and windows, paint, hardware, nails, bolts, and complete working plans. We guarantee enough material to complete this barn above the foundation. Price does not include masonry materials or barn equipments. For optional items see page 4.

Two pairs of sliding doors are provided, one pair for each end. They are made of Clear Yellow Pine or Cypress, "The Wood Eternal," and slide on Roll-Rite Hangers, the highest grade hangers we handle. These doors are **"ready made"**—ready to hang in place—and are superior to doors produced by hand carpentry. Heavy door frames are included. (See page 8.)

Large nine-light windows, 1⅜ inches thick, opening size, 2 feet 8 inches by 3 feet 6 inches, provide plenty of light and air. Windows are equipped with ventilation shields. A quick change of air can be made by lifting the windows back into the shields. The practical construction of the shields protects your stock from direct drafts.

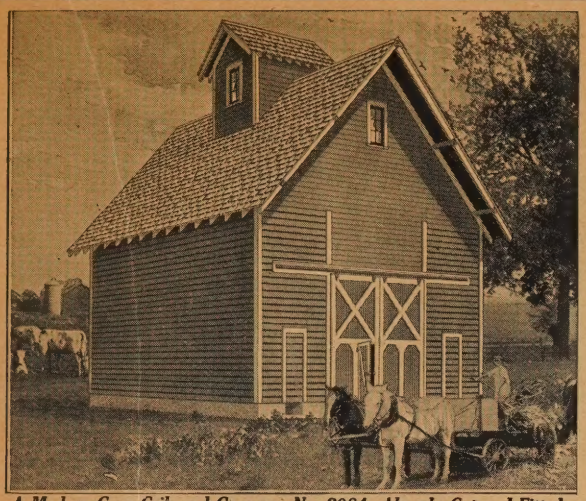
The window frames are shipped carefully bundled ready to assemble. No sawing is required. Windows are spaced 6 feet on centers on both sides of barn. (See page 8.)

Hardware, such as latches, bolts, screws, nails, etc., is included in the price, also sufficient **paint for two outside coats,** oxide red for the body and white for the trim. You may select other combinations from our paint page. (See page 37.)

Changes: The location of all the doors and windows can be changed to meet your needs and farm operations. Use the enclosed sketch sheet to outline your needs when changes are necessary, and return for quotation on the barn and barn equipments. For optional items see page 4.

Sizes: We can furnish this barn 30 feet, 32 feet, 34 feet and 36 feet wide. The length will depend on your own requirements and the number of stock you wish to stable.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



A Modern Corn Crib and Granary, No. 2084, Already Cut and Fitted.

Prices include all of the following materials: Framing Lumber, Outside Finish Lumber, Bevel Cribbing, Drop Siding, Bin Flooring, Sheathing, Roof Sheathing, Roofing, Factory Made Doors and Windows, Paint, Hardware, Nails, Bolts, and complete working plans. Quantities are guaranteed to be sufficient. Masonry material, equipment and elevator not included in prices.

$994.00 FOR THIS "HONOR BILT" FARM BUILDING

Size, 28x28 Feet.

Already Cut and Fitted

Furnished 28 Feet Wide and in Any Length.

Prices on any length quoted on request.

This combination corn crib and granary will prove a real labor saver on your farm. An inside cup or portable elevator can be used to advantage. Corn and small grain can then be handled without shoveling. A shelling trench through both cribs is provided. The flooring of overhead bins is hoppered and fitted with grain spouts and shut-offs. The grain can be spouted directly into wagon below.

Here is a strong and durable crib and granary, designed to carry maximum loads. The bins are estimated for a safe load of over 75 pounds per bushel capacity and the side walls are rigidly braced to stand all strains. The building as illustrated is 28 feet wide. The corn cribs are 8 feet wide and the driveway 12 feet wide and 12 feet high permits the safe dumping of wagon equipped with bat boards.

All framing lumber is No. 1 Yellow Pine, already cut and fitted. **Outside walls** are covered with Yellow Pine bevel cribbing and drop siding of Cypress, "The Wood Eternal."

The bin flooring and bin partitions are covered with tongued and grooved No. 1 Yellow Pine flooring. This is far superior to plain boards or shiplap and will not allow the small grain to sift through.

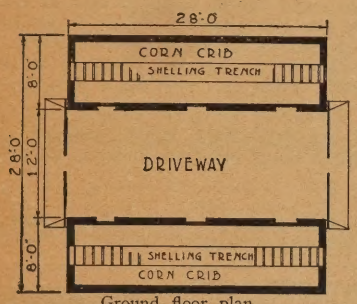
Tight fitting tongued and grooved roof sheathing is furnished. Over this **Fire-Chief Shingle Roll Roofing** is laid. This roofing is guaranteed for 17 years. It resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog.

The big driveway doors at both ends of the building are "ready made" of Cypress, "The Wood Eternal." They slide on Roll-Rite Hangers, the best hangers we handle. A small door for personal access is built into the larger door. (See page 8.) Crib doors are to be built of cribbing on the job. The necessary material is included.

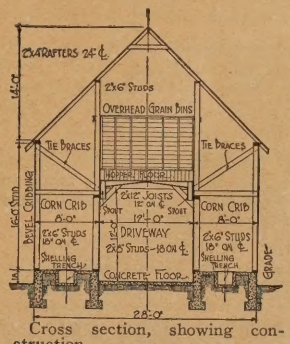
Two windows in the cupola and a window in each gable provide light for the bin.

Hardware, such as latches, bolts, screws and nails, etc., is included; also sufficient **paint** for two outside coats, oxide red for the body and white for the trim. Other combinations of colors can be used. (See page 37).

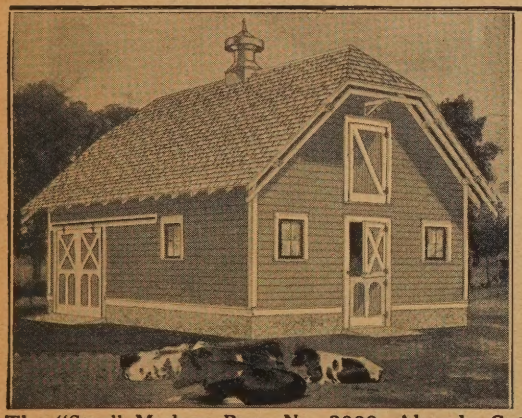
Get Our Low—Freight Paid—"Direct to You" Price on Your Barn.



Ground floor plan.



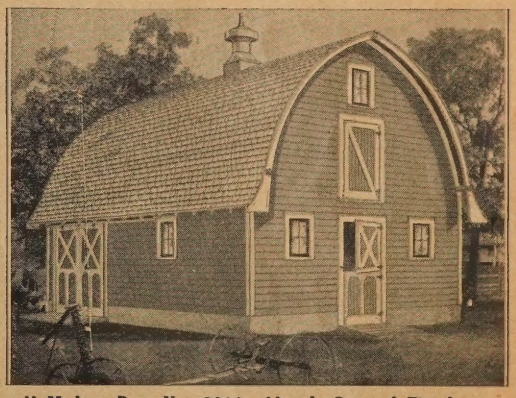
Cross section, showing construction.



The "Star" Modern Barn No. 3009, Already Cut and Fitted.

Small Barns

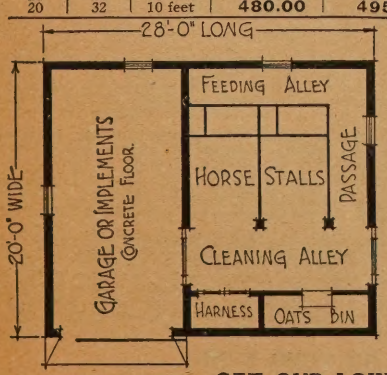
We illustrate on this page two popular small barns. For low cost, solid construction and general appearance these barns are unexcelled.



The "Crescent" Modern Barn No. 3011, Already Cut and Fitted.

Width, Feet	Length, Feet	Height From Sills to Eaves	With Our "Medium" Grade Yellow Pine Siding	With Our "Medium" Grade Cypress Siding	With Our "Best" Grade Cypress Siding. See Page 9	Haymow Capacity, Tons
20	20	10 feet	$359.00	$370.00	$397.00	7
20	24	10 feet	402.00	414.00	430.00	8½
20	28	10 feet	440.00	454.00	473.00	10
20	32	10 feet	480.00	495.00	526.00	11½

Width, Feet	Length, Feet	Height From Sills to Eaves	With Our "Medium" Grade Yellow Pine Siding	With Our "Medium" Grade Cypress Siding	With Our "Best" Grade Cypress Siding. See Page 9	Haymow Capacity, Tons
20	20	10 feet	$378.00	$390.00	$409.00	10
20	24	10 feet	422.00	435.00	455.00	12
20	28	10 feet	465.00	479.00	503.00	14
20	32	10 feet	508.00	524.00	548.00	16



We offer each style in several lengths to meet most demands. Greater lengths quoted on request.

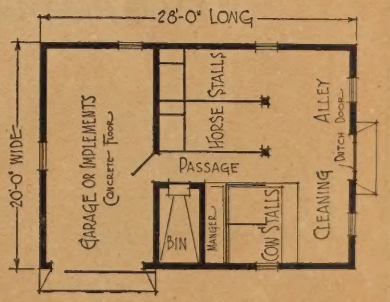
The floor arrangements suggested on this page can be changed to meet your requirements, and we will quote you a price including equipment on receipt of your sketch showing what you need.

All barns are to be erected on a foundation of concrete or masonry, extending 18 inches above the grade line. Ceiling height, 8 feet 6 inches.

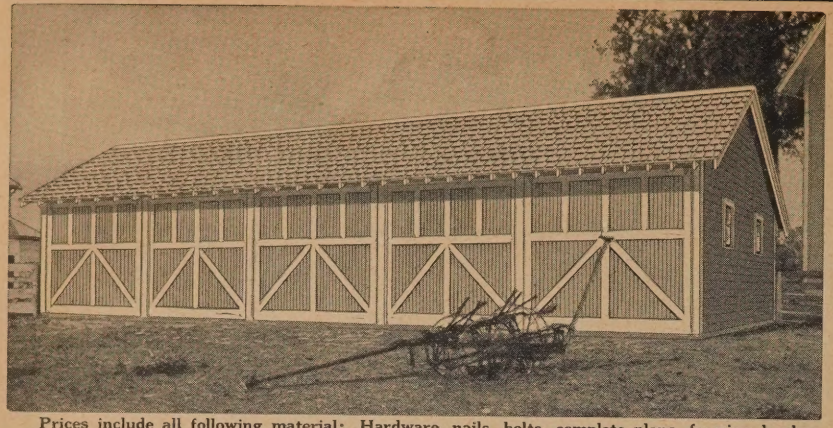
WHAT YOU GET:

At the price quoted we will furnish all the material to build the barn, consisting of the framing lumber, siding, outside finish lumber, mow floor, roof sheathing, roofing, factory made doors and windows, paint, hardware, nails, bolts and complete working plans. We guarantee enough materials to build the barn above the foundation. Price does not include masonry materials and barn equipments. For optional items see page 4.

All the framing lumber is **already cut** and fitted. Doors are **"ready made"**—ready to hang in place—all of which makes for a good strong barn and a saving in time, labor and money.



GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



Prices include all following material: Hardware, nails, bolts, complete plans, framing lumber, siding, finish lumber, roof sheathing, roofing, factory made doors and windows and paint. Quantities guaranteed sufficient. Masonry materials and equipment not included. For optional items see page 4.

$328.00 FOR THIS MODERN IMPLEMENT SHED. Size, 24x24 Feet. *Already Cut and Fitted*

Modern Implement Shed No. 2088 Already Cut and Fitted

Farmers everywhere recognize the advisability of having a separate building for machinery and tools. Much money is wasted by not taking proper care of the machines which are required on the average farm throughout the year. The rain rusts them quickly and otherwise impairs their usefulness. When housed in a building of this kind they are always fully protected. The building shown will also make a handy workshop for necessary repairs on all kinds of machinery, vehicles, harness and other odd jobs.

All the framing lumber is of No. 1 Yellow Pine "Already cut" and fitted.

The outside walls are covered with drop siding of Cypress, "The Wood Eternal," or Yellow Pine. No. 1 yellow pine framing lumber and cypress siding insure a strong and rigid frame and outside walls that will withstand the weather a lifetime.

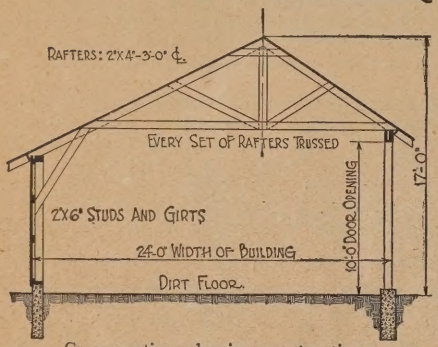
To make the roof good and strong we furnish **tight fitting tongued and grooved sheathing boards** to be laid on the rafters. On the sheathing boards is laid **Fire-Chief Shingle Roll Roofing. Fire-Chief Roofing** is guaranteed by us for **seventeen years.** It resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles or heavy 5 to 2 Red Cedar shingles furnished if desired.

Doors are made of Clear Cypress, "The Wood Eternal." They are 10 feet high and 12 feet wide, built in two sections, and **slide on Standard Barn Door Hangers** and roller tracks. All doors are **"ready made"—ready to hang in place,** and are superior to doors produced by hand carpentry.

Windows are conveniently located.

Hardware, such as latches, bolts, screws, nails, etc., is included in the price, also sufficient **paint for two coats,** oxide red for the body and white for the trim. You may select other combinations from our paint page. (See page 39.)

Furnished Only 24 Feet Wide and in Unit Lengths of 12 Feet. Delivered Prices Quoted on Request.



Cross section, showing construction.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU"—PRICE ON YOUR BARN

At the price quoted we will furnish all the material to build this hog house, consisting of the framing lumber, siding, outside finish lumber, mow floor, roof sheathing, roofing, factory made doors and windows, pen partitions, grain bin, paint, hardware, nails, bolts, and complete working plans. We guarantee enough materials to build this hog house above the foundation. Price does not include masonry materials and barn equipments. For optional items see page 4.

$547.00 FOR THIS MODERN HOG HOUSE. Size, 22x32 Feet. *Already Cut and Fitted*

"Community" Hog House No. 3004 Already Cut and Fitted

The "Community" Hog House keeps your hogs warm and comfortable in the winter time on account of the storage room overhead. It is to be located with the ridge running north and south, which, in connection with tight fitting doors and the absence of windows on the north end of the ground floor, excludes the cold north winds. In summer time this hog house is remarkably cool.

"Already cut" material for stairs, 2 feet wide, leading to the storage room, is furnished. In the northwest corner of the building a space 6½ feet wide is reserved for a feeding and boiler room. A bin for the storage of grain is located directly over the feed room. This bin is 4 feet wide, 6 feet long and 4 feet high.

All framing lumber is of No. 1 Yellow Pine. The outside walls are covered with medium grade **Cypress drop siding,** "The Wood Eternal."

To make the roof good and strong, we furnish **tight fitting sheathing boards** to be laid on the rafters and covered with **Fire-Chief Shingle Roll Roofing,** guaranteed by us for **seventeen years.** This roofing resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles or 5 to 2 Red Cedar shingles furnished if desired.

Doors. A Dutch Door, size 3 feet 9 inches by 6 feet 6 inches, is furnished for one end; also two smaller doors, 3 feet by 4 feet, for the mow floor at each end, giving access from the outside to the storage room (see illustration). Doors for the pens provide for an opening 22 inches wide and 32 inches high. They slide up and down and by means of a rope may be opened from the feed alley. All doors are **"ready made"**—ready to hang in place—and are superior to doors made by hand carpentry.

Windows. We furnish Barn Sash, which are 1⅜ inches thick, four lights, 9 inches by 14 inches; opening size, 1 foot 10½ inches by 2 feet 9½ inches. These windows are placed close together and allow an abundance of sunshine to enter the building (see illustration). The north end has only one window—in the gable.

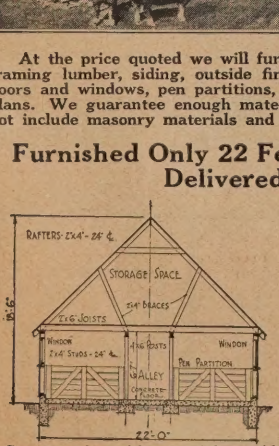
Hardware, such as latches, bolts, screws, nails, etc., is included in the price, also sufficient **paint for two outside coats,** oxide red for the body and white for the trim. You may select other combinations from our paint page (see page 37.)

Pens are 6 feet wide and 9 feet deep, outside measurements. They extend to both sides of the feed alley, which is 4 feet wide. Material for the necessary pen partitions and pig fenders is furnished.

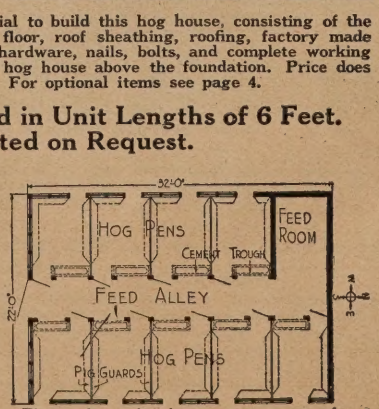
This "Community" Hog House is recommended for cold climates by the Nebraska Agricultural State College, many other authorities and prominent breeders.

Be sure to notice how complete is the equipment of our Hog Houses as specified above, that all framing lumber is "already cut" and fitted, that doors are all "ready made" and ready to hang, that all roofing is guaranteed for seventeen years, and all bins and pen partitions included in price.

Furnished Only 22 Feet Wide and in Unit Lengths of 6 Feet. Delivered Prices Quoted on Request.

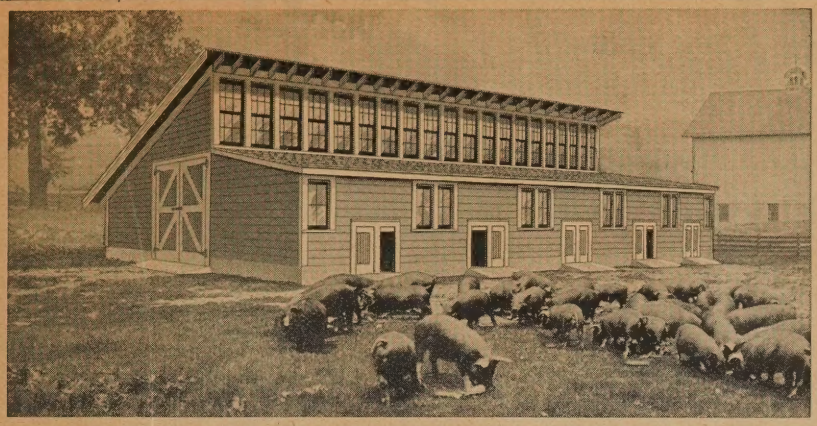


Cross section of house 22 feet wide, showing construction.



Floor plan, showing arrangement of "Community" Hog House 32 feet long.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU"—PRICE ON YOUR BARN



$230.00 FOR THIS MODERN HOG HOUSE
Size, 20x24 Feet.
Already Cut and Fitted

"Monitor" Hog House No. 2074 Already Cut and Fitted

Most people are familiar with this style of hog house and know that it is a dependable type. We introduce only such styles of hog houses as have proved serviceable. The "Monitor" Hog House has many very good features.

It should be built with the ridge running east and west to get a southern exposure, which will permit the sun's rays to penetrate every nook and corner. This applies during the early springtime, when sunshine is equally as necessary as feed for the winter farrowing. In summer, when the sun rises high in the sky, the hottest rays of the noontime will little effect the interior of a hog house of this type. Instead, during the hot spell of the year, the hog house will be a cool place for your swine during midday hours, for the perpendicular rays of the sun will not strike the interior.

The floor arrangement provides for pens 8 feet deep and 6 feet wide, outside measure, and can be furnished in lengths to meet your own needs.

All framing lumber is of No. 1 Yellow Pine, already cut and fitted.

The outside walls are covered with drop siding of Cypress, "The Wood Eternal," or Yellow Pine.

To make the roof good and strong we furnish **tight fitting tongued and grooved sheathing boards** to be laid on the rafters and covered with **Fire-Chief Shingle Roll Roofing. Fire-Chief Roofing** is guaranteed by us for **seventeen years.** It resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog.

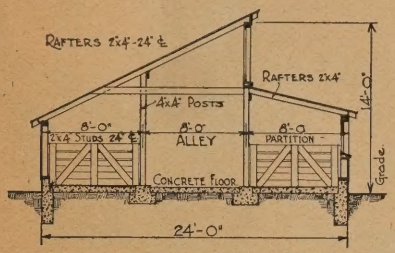
Doors are made of Clear Cypress, "The Wood Eternal." They are **"ready made"**—ready to hang in place—and are superior to doors produced by hand carpentry. A pair of hinged doors at each end are furnished for size 24 feet wide; a single hinged door at each end for size 20 feet wide. Pen doors are made to slide up and down and may be raised from the inside by a rope. Hog House 20 feet wide has 4-foot alley and one swinging door. Hog House 24 feet wide has 8-foot alley and double swinging doors.

Hardware, such as latches, bolts, screws, nails, etc., is included in the price, also sufficient paint for outside walls for **two coats,** oxide red for the body and white for the trim. You may select other combinations from our paint page (see page 37.) Pen partitions are not included in the price.

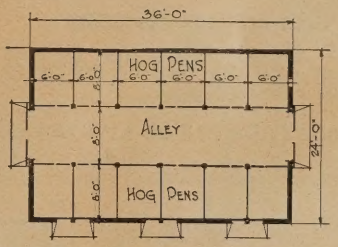
Our **already cut** feature, together with **"ready made"** doors, sash, etc., furnished at the prices quoted, make it possible for you to get this Modern "Monitor" Hog House at a remarkable bargain as well as a saving of time and labor. If pen doors are wanted for rear side, add $1.75 each. Length from sills to eaves at front, 4 feet 10 inches. Length from sills to eaves at rear, 4 feet 4 inches.

At the price quoted we will furnish all the material to build this hog house, consisting of the framing lumber, siding, outside finish lumber, roof sheathing, roofing, factory made doors and windows, paint, hardware, nails, bolts, and complete working plans. We guarantee enough materials to build this hog house above the foundation. Price does not include masonry materials and equipments. For optional items see page 4.

Furnished 20 and 24 Feet Wide—In Unit Lengths of 6 Feet Delivered Prices Quoted on Request

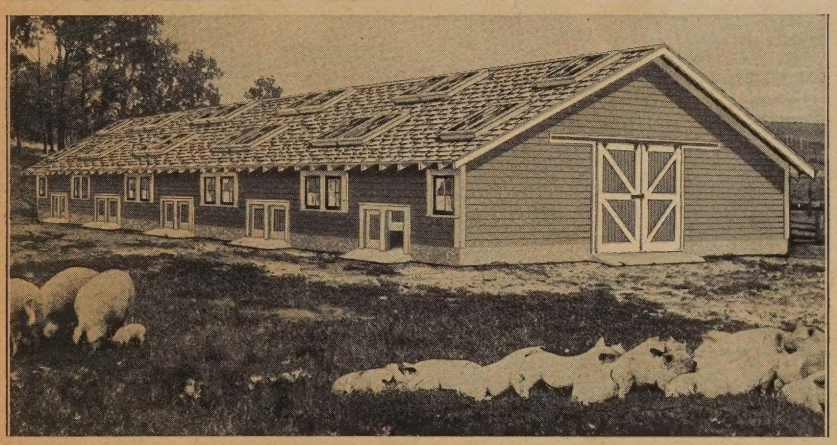


Cross section of house 24 feet wide, showing construction.



Floor layout for 12 farrowing pens.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN



$259.00 FOR THIS MODERN HOG HOUSE
Size, 20x24 Feet.
Already Cut and Fitted

"Sunlight" Hog House No. 2072 Already Cut and Fitted

This is a good hog house, designed to provide suitable quarters for winter farrowing. It fully deserves its name, "Sunlight," and permits the sunshine around March 1st, the usual time of winter farrowing, to reach the pens on both sides of the building.

This hog house is to be built with its ridge running east and west. On the south side two rows of large roof windows permit of a nearly continuous flow of sunshine on the floor of the pens. In the south wall, a third row of windows is provided, directly opposite the nests. Heavy galvanized stormproof sash are furnished for the roof windows.

The outside pen doors slide up and down, and may be easily opened by pulling a rope from the center aisle. If pen doors are wanted for rear side, add $1.75 each.

We furnish this type of hog house 24 feet wide and 20 feet wide, and in unit lengths of 6'-0" to take care of your needs. Twenty-four feet wide hog houses have double sliding doors at each end, which are hung on Roll-Rite Hangers, the best we handle, and lead to an alley which is 8 feet wide. Pens to be 8 feet deep and 6 feet wide. The hog house 20 feet wide provides for one single sliding door at each end hung on Roll-Rite Hangers. Here the alley is only 4 feet wide.

All framing lumber is of No. 1 Yellow Pine, already cut and fitted.

The outside walls are covered with drop siding of Cypress, "The Wood Eternal," or Yellow Pine. This combination secures a very strong frame and outside walls that will withstand the weather for a lifetime.

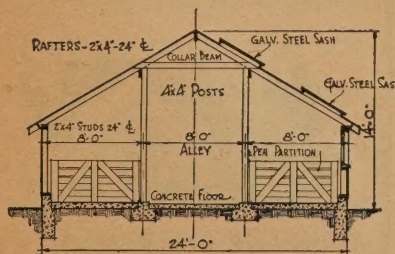
To make the roof good and strong, we furnish **tight fitting tongued and grooved sheathing boards** to be laid on the rafters and covered with **Fire-Chief Shingle Roll Roofing. Fire-Chief Roofing** is guaranteed by us for **seventeen years.** It resembles painted shingles. For colors of Fire-Chief Roofing, see page 34 in this catalog. Asphalt shingles or heavy 5 to 2 red cedar shingles furnished if desired.

Hardware, such as latches, bolts, screws, nails, etc., is included in the price, also sufficient **paint** for outside walls **for two coats,** oxide red for the body and white for the trim. You may select other combinations from our paint page (see page 37.) **Mention if pen partitions are to be included in the price.**

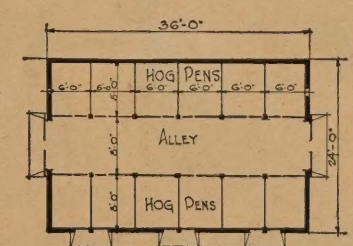
Be sure to notice that all our framing lumber is already cut and fitted, that doors are all **made and ready to hang,** that our roofing is guaranteed for seventeen years.

At the price quoted we will furnish all the material to build this Hog House, consisting of the framing lumber, siding, outside finish lumber, roof sheathing, roofing, factory made doors and windows, paint, hardware, nails, bolts, and complete working plans. We guarantee enough material to build this hog house above the foundation. Price does not include masonry materials and equipments. For optional items see page 4.

Furnished 20 and 24 Feet Wide—In Unit Lengths of 6 Feet Delivered Prices Quoted on Request



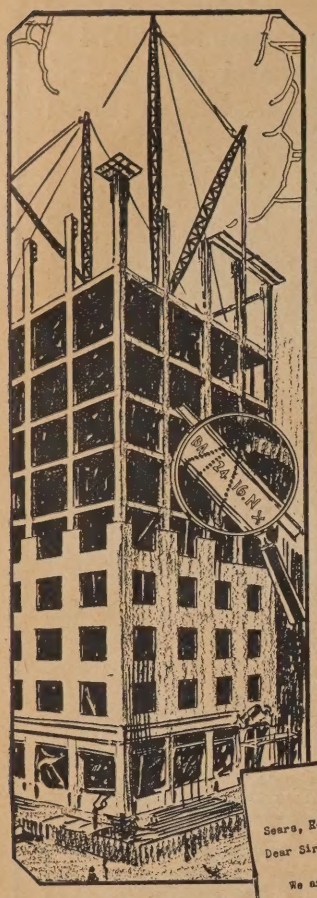
• Cross section of house 24 feet wide, showing construction.



Floor layout for 12 farrowing pens.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN

Honor Bilt *Already Cut* Homes



Skyscraper construction saves time and money. Why? Because all materials come ready cut. Take advantage of this modern and approved principle. Build an "Honor Bilt" home. They are high grade, permanent buildings.

Save $500.00 to $2,000.00 on a Complete Home

YOU are sure of real satisfaction when you buy your home from Sears, Roebuck and Co. You profit by our enormous buying ability and modern factory facilities. You gain by our successful system of Ready-Cut "HONOR BILT" Modern Homes. When you buy your home from us you will save about one-half the cost of labor; save all architects' fees; save because there are no extras, no waste of surplus materials; save by avoiding poor workmanship and faulty construction. In short, "HONOR BILT" modern home advantages are multiplied over and over. They are modern high grade, permanent homes designed by leading architects. "HONOR BILT" modern homes have been successfully built by more than 34,000 families.

One Order Brings It All

No need to shop about in a dozen places. When you purchase a house from us you dispose of the entire transaction in a few minutes. On acceptance of your order we ship at factory prices enough material to build your house complete.

Sold on Easy Payments

Our "HONOR BILT" Modern Home Book D596MFB explains our successful system of home ownership on the cash or easy payment plan. Write for your copy of this interesting book.

Our Guarantee Is Backed by $100,000,000.00

We guarantee every "HONOR BILT" Modern Home to be exactly as represented, and to give perfect satisfaction. You take no risk.

SAVED $2000.00

Sears, Roebuck and Co.

Dear Sirs:

We are certainly well pleased with the material, the plan and your thorough way of doing business. We figure we saved around $2,000.00 on the "Honor Bilt" home, and got better material and it was all here when we needed it.

J. Edgar Daniel,
Meadow Grove, Nebr.

THEY ARE PERMANENT HIGH GRADE HOMES.

"HONOR BILT" means a more Substantial Home—a Warm and Comfortable Home—a Superior Home for you—and at a big saving in money and time.

"HONOR BILT" Homes are furnished ready cut and fitted. They have double floors, double walls and 2x4-inch studding. Outside door and window casings are CLEAR CYPRESS, 1⅛ inches thick.

Prices for "Honor Bilt" Modern Homes shown on these pages include the following items.

Lumber	Medicine Case
Lath	Porch Material
Millwork, such as:	Building Paper
Doors	Hardware
Windows	Nails
Molding	Eaves Trough
Flooring	Down Spout
	Paint and Varnish

Shingles or Roofing as specified.

We guarantee enough material to finish the house complete, except cement, brick and plaster.

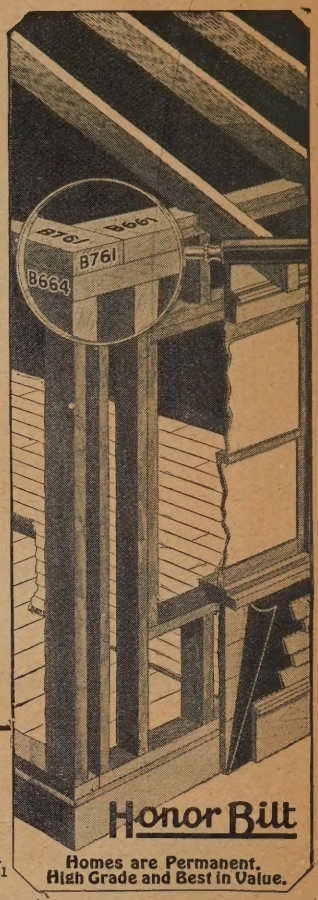
SAVED $3000.00

Sears, Roebuck and Co.

Dear Sirs:

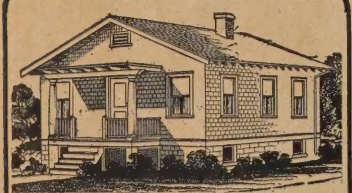
I am so well pleased that if I ever build again, I will buy from you. I figured I saved about $3,000.00 by building the "Honor Bilt" way, and got a much better house and better lumber than if I had bought here. The heating and plumbing were also fine, they could not be better.

C. D. Breitzke,
2127 Marquette St.,
Madison, Wis.



The illustration above shows how well an "HONOR BILT" Ready-Cut Home is constructed. Note the double plates over windows with the double studding at the sides. Three studs at the corners give additional strength. Double floors and walls, with heavy building paper between, insure against drafty rooms. The skyscraper idea gives you a better home for less money.

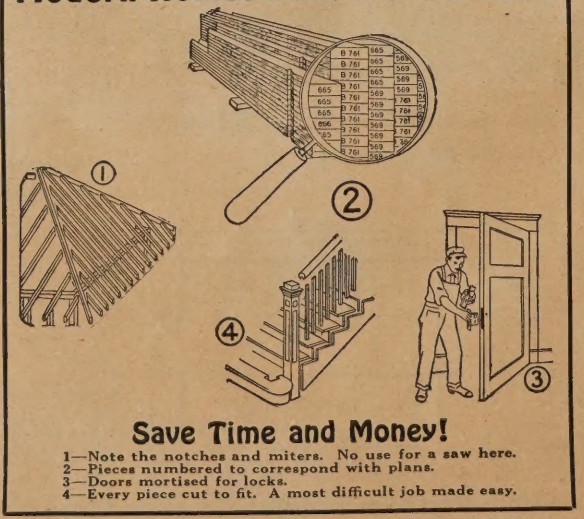
Compare this heavy construction when you compare prices.



"Honor Bilt"—Best Quality
The Fairy—Four Rooms and Bath.
$945.00 Monthly Payments, **$23.00**

"Honor Bilt"—Best Quality
The Vallonia—Five Rooms and Bath.
$1,979.00 Monthly Payments, **$35.00**

Over 34,000 "Honor Bilt" Modern Homes Built in the U. S. A.



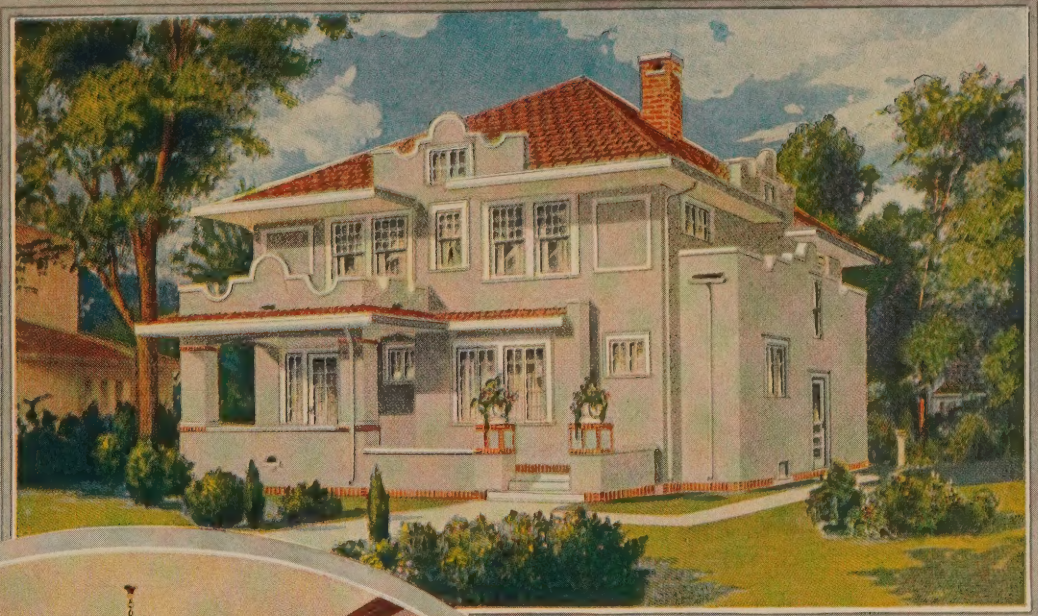
Save Time and Money!

1—Note the notches and miters. No use for a saw here.
2—Pieces numbered to correspond with plans.
3—Doors mortised for locks.
4—Every piece cut to fit. A most difficult job made easy.

Standard Built—Standard Quality
The Kimball—Four Rooms.
$636.00 Monthly Payments, **$18.00**

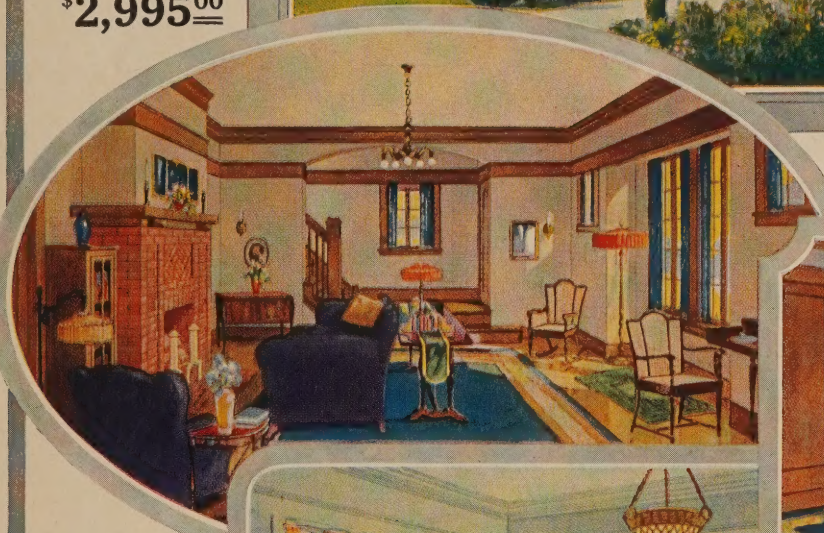
Standard Built—Standard Quality
The Hudson—Four Rooms and Bath.
$474.00 Monthly Payments, **$15.00**

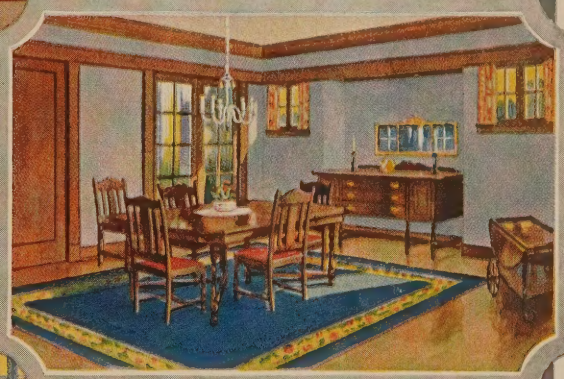
Honor Bilt The Alhambra

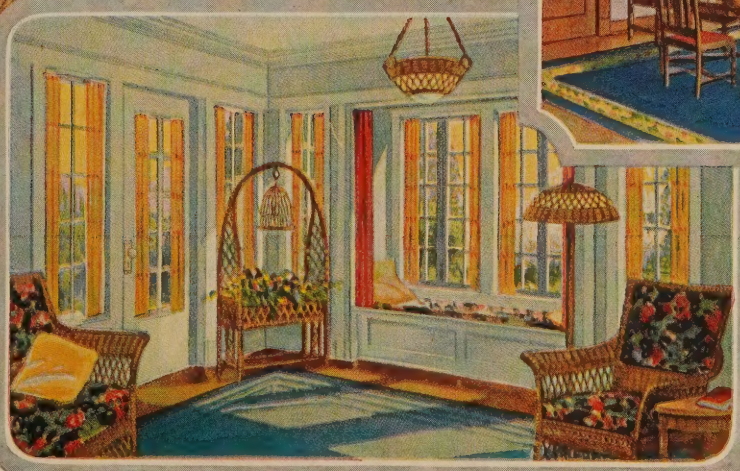


No. 17090A
Price "Already Cut" and Fitted
$2,995.00

The above illustration shows the exterior of The Alhambra "Honor Bilt" Modern Home. It is a gem that wins instant admiration. Those who live in it are justly proud.







Our "HONOR BILT" Ready-Cut system saves nearly one-half carpenter labor. This is one of the many reasons why there are more than 34,000 "Honor Bilt" Homes in the U. S. A. today.

"HONOR BILT" Modern Homes are recognized as the best made frame houses on the market.

This is a specimen page taken from our latest Book of "Honor Bilt" Modern Homes.

If you are thinking about building a house, this book will save you $500 to $2,000, depending on the size of the house.

Get Your Free Copy Now!

Our "Book of Modern Homes, D596MFB," contains 100 designs from $474.00 to $4,228.00. Choose from One and Two-Story Houses, Bungalows, Two-Flat Buildings, Colonials, English, Mission and American types.

It explains it all, including our free Architectural, and Easy Payment Plan, and our Ready-Cut System.

A magnificent book! Many pages of beautiful color illustrations of exteriors and furnished interiors, photographic reproductions, and floor plans.

Included are: Ready-Made Sectional Houses, designed for woods or seashore, from $337.00 and up. Also, 31 wood and steel garages for $82.50 and up.

Ask for "Book of Modern Homes, D596MFB."

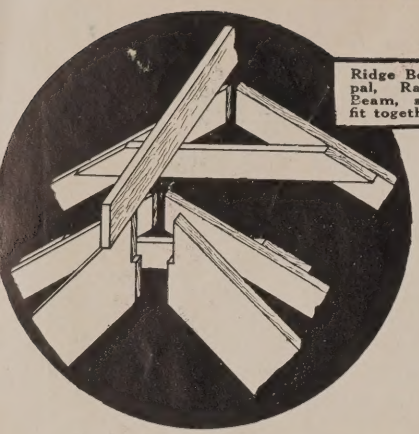
SEARS, ROEBUCK AND CO., CHICAGO-PHILADELPHIA

603D.11.17.25

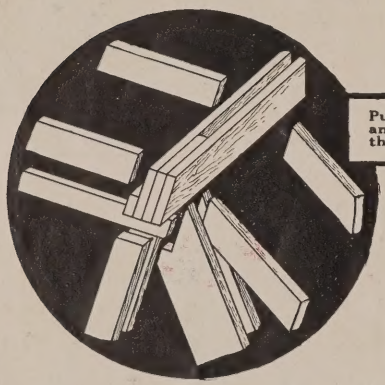
Ask for D596MFB

HONOR-BILT System S

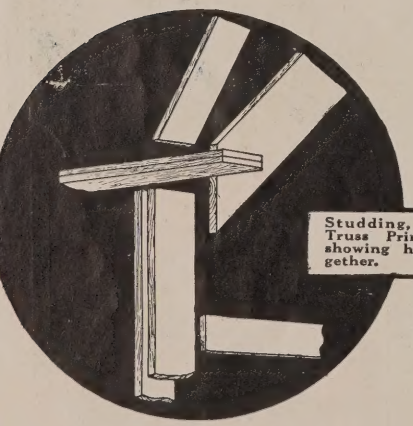
Built Like a Skys



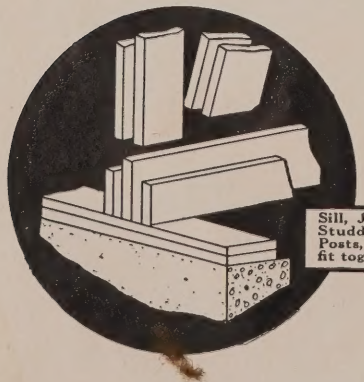
Ridge Board, Truss Principal, Rafters and Collar Beam, showing how they fit together.



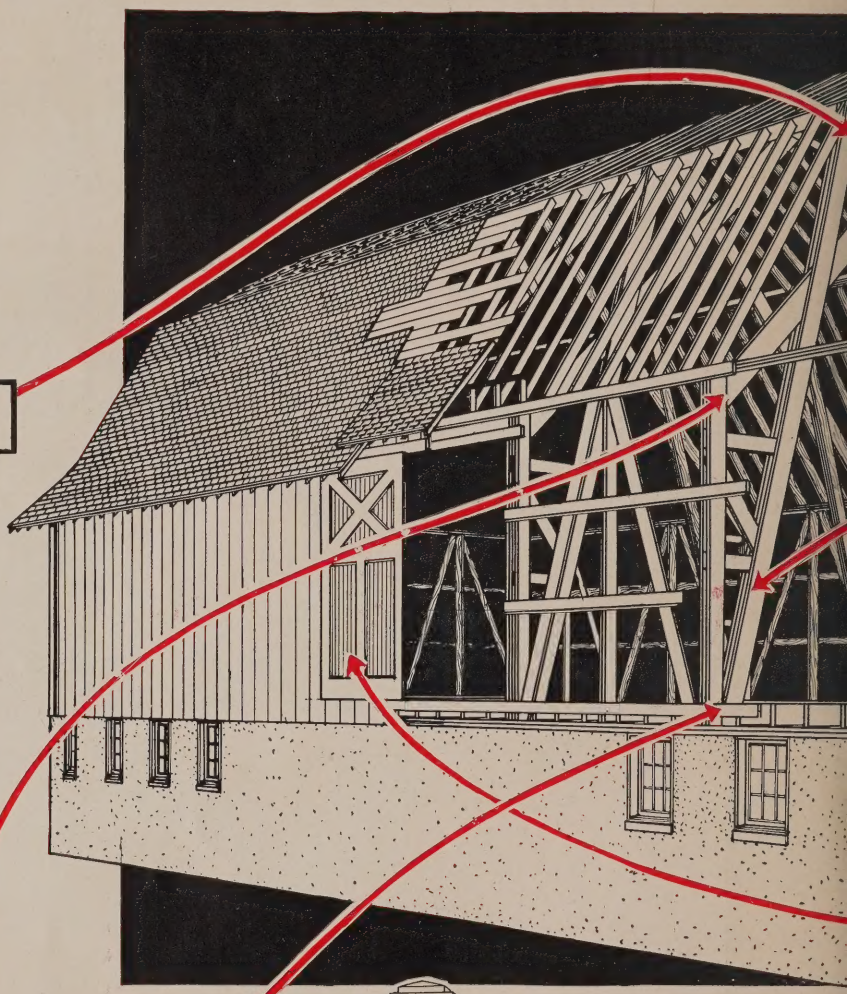
Purlin Plate, Truss Posts and Rafters, showing how they fit together.

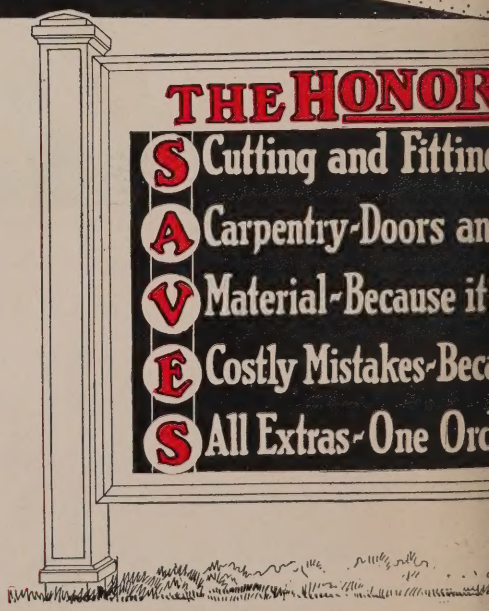


Studding, Plate, Rafter, Truss Principal and Tie, showing how they fit together.

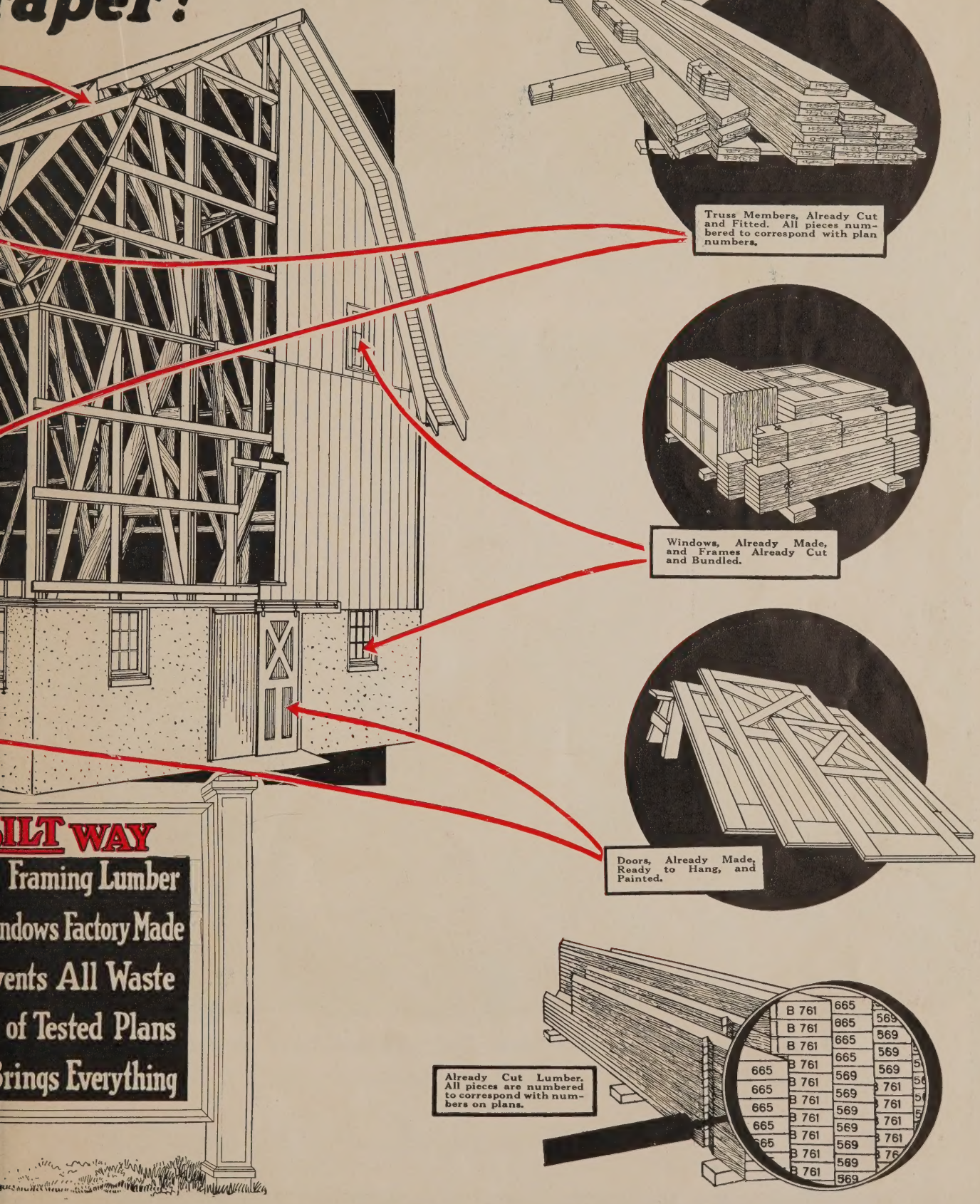


Sill, Joists, Truss Cords, Studding and Purlin Posts, showing how they fit together.





ves Half the Labor
raper!


Truss Members, Already Cut and Fitted. All pieces numbered to correspond with plan numbers.
Windows, Already Made, and Frames Already Cut and Bundled.
Doors, Already Made, Ready to Hang, and Painted.
Already Cut Lumber. All pieces are numbered to correspond with numbers on plans.
ILT WAY
Framing Lumber
ndows Factory Made
vents All Waste
of Tested Plans
Brings Everything

Fire Chief Shingle Roll Roofing

Makes Fire Resisting Roofs

Approved by Underwriters

The outline of the shingle design on Fire-Chief Shingle Roll Roofing makes Fire-Chief look just like wood shingles when laid on the roof. See illustration above.

Fire-Chief is absolutely reliable in all climates and weather. For example: It excludes snow and rain better than wood shingles. It is airtight and watertight. It defies heat and cold.

Fire-Chief is made of the highest quality roofing materials. The formula and process for making it have been used for many years. Heavy roofing felt—saturated with the highest grades of imported elastic asphalts and the choicest natural slate. The pattern is real red or green crushed slate, with black lines of asphalt applied to form a shingle design that is permanent and beautiful. It has been put to the most severe tests. Roofing laid 17 years ago is practically as good as the day it was laid.

Fire-Chief is the heaviest, thickest, strongest and most beautiful of all our roofings. It does not curl, warp, rust or decay. Costs less than half, and is warmer than wood shingles. Economical to lay over old shingles, giving double roof protection.

Approved by National Board of Fire Underwriters. Protects against fire from flying sparks, etc.

Weighs 90 pounds, contains 108 square feet, will cover 100 square feet, all in one piece.

CAUTION! Buy Only Roofing With 2-Inch Watertight Lap Joint. If slate or pebbles lay between the two layers of roofing, the joints will loosen up and leak.

Fire-Chief Shingle Roll Roofing, complete with 1-inch large headed galvanized roofing nails and cement for laps.
48A488—Red.
48A489—Green.
(Guaranteed 17 Years)

Per Roll $3.10

Fire-Chief Shingle Roll Roofing, complete with 1¾-inch large headed galvanized roofing nails to lay over old shingles and cement for laps.
48A167—Red.
48A172—Green.
(Guaranteed 17 Years)

Per Roll $3.20

Shipped from CHICAGO, ILL., PHILADELPHIA, PA., YORK, PA., ALBANY, N. Y., SOUTHERN OHIO, SOUTHERN ILLINOIS, KANSAS CITY, MO., ATLANTA, GA., or ST. PAUL, MINN.

SAMPLES **We guarantee that you will be satisfied with our roofing, but if you prefer to see samples before sending us your order, ask for Free Roofing Samples D8573MFB.**

Best Posted Authorities Buy Fire-Chief Roofing

Reliable contractors and roofers as well as individual home owners tell us it is the best roofing they ever laid! Concerns of national reputation, whose experts know quality, purchase Fire-Chief Shingle Roll Roofing in large quantities. Selected from a list of over a hundred corporations, here are three of the many who have bought large quantities of roofing from us:

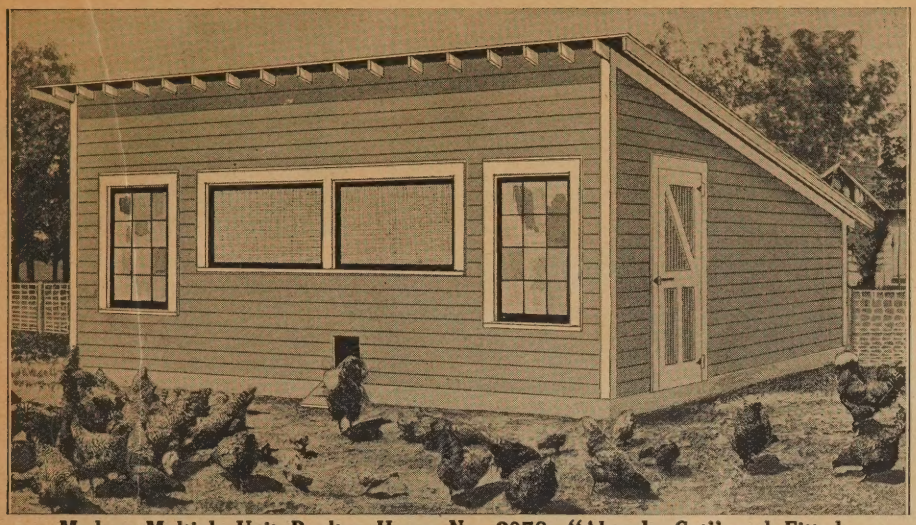
Standard Oil Company.....Roofing for nearly 300 roofs
Sun Oil Company.....Roofing for 40 roofs
Sun Ship Building Company.....Roofing for more than 200 roofs

Corporations specify it for their employes' homes. These include navigation companies, railroad companies and steel corporations. In fact, some of our most noted industrial concerns and contractors send us repeat orders for Fire-Chief Roofing.

HERE'S the REASON.

During the entire quarter century that we have manufactured and sold roofing, we have insisted on the highest quality. Our guaranteed roofing contains only the best of roofing felts—saturated with the highest grades of IMPORTED elastic asphalts and the choicest natural slate. That's the reason that posted buyers prefer Fire-Chief Roofing to any other asphalt roofing.

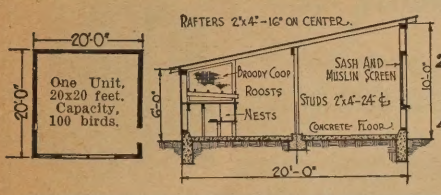
MODERN POULTRY HOUSES



Modern Multiple-Unit Poultry House No. 2078, "Already Cut" and Fitted

$175.00 *Already Cut and Fitted*
Size, 20x20

Price includes all the following material: Framing lumber, Siding, Finish lumber, Roof sheathing, Roofing, Factory made doors and windows, Muslin screens, Roosts, Nests, Dropping board, Paint, Hardware, Nails, Bolts, Complete plans. Quantities guaranteed sufficient. Masonry materials not included.



20x20 feet. Each *$175.00*

Additional Section, 20x20 feet. Each . *140.00*

This Modern Multiple-Unit Poultry House is the result of the most careful study made by the New Jersey Agricultural Experiment Station. It is designed to solve the question of the poultry man who is striving for a good winter egg yield, and it has been approved by the poultry departments of a large number of agricultural colleges. The Multiple-Unit Poultry House comes as near to the ideal as is possible under average conditions.

A house 20 feet wide and 20 feet long, of the shed roof type, is one of the most economical units that can be used.

Such a unit has a floor space of 400 square feet, allowing 4 square feet to each bird. It is adapted to all climates and is one of the most efficient producing units.

This Modern Multiple-Unit Poultry House is to be built on an 8-inch concrete foundation. It is 9 feet high in front, 5 feet high in the rear. An entrance is provided at one end. Two sash, opening size, 2 feet 8½ inches by 4 feet 7½ inches, are furnished for each unit, also two muslin screens, 3 feet by 4 feet 6 inches. The sash is provided with hinges to swing sideways. The screens have hinges to be swung upward if desired. The roosts **ARE INCLUDED** in price. They are hinged to the side wall studs and can be swung up, to allow the cleaning of the drop board. Material to build 21 nest boxes is furnished. Each box to be 12 inches wide, 16 inches long and 18 inches deep. Material for one coop for brooding hens also furnished. All framing lumber is No. 1 yellow pine.

For the outside walls medium grade Yellow Pine Drop Siding is furnished. For the roof we furnish tight fitting tongued and grooved sheathing boards, on which is to be laid **Fire-Chief Shingle Roll Roofing**, guaranteed by us for **seventeen years.** For colors of Fire-Chief Roofing, see page 34 in this catalog.

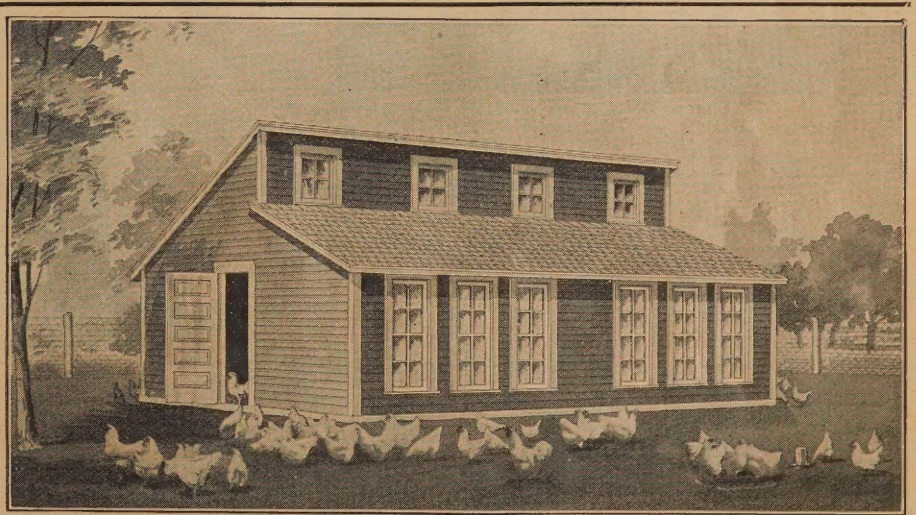
This Multiple-Unit Poultry House should be built facing the south on a layer of cinders and with concrete foundation walls, to keep rats and vermin out. If you follow these instructions you will have a well ventilated Laying House, free from all forms of moisture, well provided with direct sunlight, built to keep the birds warm, and large enough to permit plenty of exercise. All framing for this house is ready cut, all you have to do is to nail them together according to our plans, which are easy to understand and furnished with every order.

On looking at the floor plans it will be seen that entrance can be made from either end of the chicken house directly into the feed alley and from the alley into any one of the pens. These are four in number, each one measuring 13 feet 6 inches by 7 feet 6 inches. Wire netting, 6 feet high, around each pen. The dimensions of the building are 28 feet in length by 20 feet in width; 6½ feet from sill to eaves and 17 feet from grade to ridge.

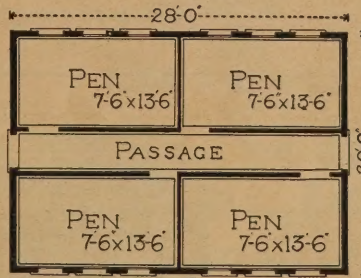
Poultry raising has been demonstrated to be quite a profitable business and the most noted experts in this line agree that a well lighted, well ventilated chicken house is a necessity where the biggest profits are desired. Especially is this true of people who make a specialty of select prize stock. In this Chicken House we provide twelve big windows, six on each side. In addition to these windows we further provide four four-light windows which swing inward at the top of the building. No chance for draft if windows are left open, yet this arrangement gives an abundance of light and fresh air. For the roof we specify our Fire-Chief Shingle Roll Roofing, GUARANTEED FOR SEVENTEEN YEARS. For colors of Fire-Chief Roofing, see page 34 in this catalog.

Sided with medium grade Yellow Pine Drop Siding.

Build this Modern Chicken House on a concrete foundation 6 to 10 inches above the ground, 16 to 24 inches deep, 4 to 6 inches wide. Fill inside of foundation with dry cinders and put 2-inch mixture of concrete on top of this. This will give you a dry and sanitary chicken house, easy to clean, relatively cheap and permanent.



Modern Chicken House No. 2051, "Already Cut" and Fitted.



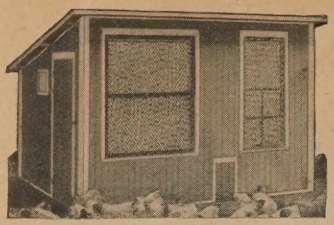
FLOOR PLAN

$250.00 *Already Cut and Fitted*
Size, 20x28

Price includes all the following material: Framing lumber, Siding, Finish lumber, Roof sheathing, Roofing, Factory made doors and windows, Wire net partitions, Paint, Hardware, Nails, Bolts, Complete plans. Quantities guaranteed sufficient. Masonry materials not included.

GET OUR LOW—FREIGHT PAID—"DIRECT TO YOU" PRICE ON YOUR BARN

Portable Chicken Houses and Brood Coops



Designs 55M300 to 55M307

For descriptions see specifications to the right. Designs up to 55M303, size 14x10 feet, furnished as illustrated above. Designs 55M304 to 55M307 are furnished with two eight-light glazed windows and two fresh air windows. The fresh air windows are 3 feet 5 inches wide by 3 feet 10 inches high, with folding canvas frames adjustable to any weather condition.

SIMPLEX Portable Chicken Houses are convenient, well lighted, ventilated and constructed of good, clean, bright, new and substantial material which you will recognize by referring to the specifications on this page. Do not confuse these buildings with lighter constructed portable poultry houses offered by other concerns.

OPENINGS—Glazed windows, outside measurement 1 foot 8½ inches wide and 3 feet 10 inches high, eight lights, 8x10 inches. Upper sash opens inward, being hinged to lower sash which slides upward, so that the whole window may be removed. All windows protected with galvanized wire netting. One entrance door fitted with hinges and latch, 2 feet 4 inches wide by 5 feet 6 inches high. Small entrance door in front for chickens and ventilator door in end as shown.

WALLS—Made in sections of dressed and matched ¾-inch thick vertical siding; 2x4 and 2x2-inch framing.

ROOF—Dressed and matched ⅝-inch thick roof boards in sections; 2½-ply Best-of-all Roofing with nails and cement. Guaranteed for 14 years.

FLOOR—Dressed and matched 13/16-inch flooring made in sections, supported by 2x4's across the house.

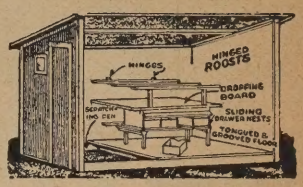
PAINTING—Outside of building painted gray with white trim. All necessary hardware furnished.

Designs 55M308 to 55M315.

For descriptions see specifications to the left. Designs up to 55M311, size 14x10 feet, furnished as illustrated above. Designs 55M312 to 55M315 are furnished with four windows, eight-light, 8x10 inches.

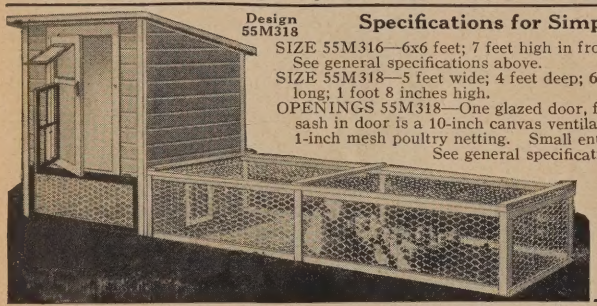
Catalog No.	Length	Depth	*Capacity	*Capacity Hennery Outfits Furnished	Without Floor	Add for Half Floor	Shipping Weight
55M300	10 feet	8 feet	20 hens	5 nests	**$ 64.00**	**$ 4.00**	1,200 pounds
55M301	10 feet	10 feet	24 hens	7 nests	**70.50**	**5.00**	1,500 pounds
55M302	12 feet	10 feet	28 hens	7 nests	**77.00**	**6.00**	1,800 pounds
55M303	14 feet	10 feet	33 hens	9 nests	**93.00**	**7.00**	2,100 pounds
55M304	20 feet	8 feet	40 hens	10 nests	**107.00**	**8.00**	2,400 pounds
55M305	20 feet	10 feet	50 hens	14 nests	**120.00**	**9.50**	3,000 pounds
55M306	20 feet	12 feet	60 hens	18 nests	**131.00**	**11.00**	3,600 pounds
55M307	20 feet	14 feet	70 hens	18 nests	**138.00**	**12.50**	3,900 pounds
55M308	10 feet	8 feet	20 hens	5 nests	**73.00**	**4.00**	1,200 pounds
55M309	10 feet	10 feet	24 hens	7 nests	**81.00**	**5.00**	1,500 pounds
55M310	12 feet	10 feet	28 hens	7 nests	**88.00**	**6.00**	1,800 pounds
55M311	14 feet	10 feet	33 hens	9 nests	**100.00**	**7.00**	2,100 pounds
55M312	20 feet	8 feet	40 hens	10 nests	**129.00**	**8.00**	2,400 pounds
55M313	20 feet	10 feet	50 hens	14 nests	**139.00**	**9.50**	3,000 pounds
55M314	20 feet	12 feet	60 hens	18 nests	**152.00**	**11.00**	3,600 pounds
55M315	20 feet	14 feet	70 hens	18 nests	**159.00**	**12.50**	3,900 pounds

*Capacities furnished are based upon United States Department of Agriculture Statistics.
Complete with hennery outfit at prices quoted. Shipped from our factory in SOUTHERN ILLINOIS.



Design 55M318

Specifications for Simplex Portable Chicken Houses 55M316 to 55M319.



SIZE 55M316—6x6 feet; 7 feet high in front, 6 feet high in back. See general specifications above.

SIZE 55M318—5 feet wide; 4 feet deep; 6 feet high in front, 5 feet high in rear. Runway 4 feet wide; 10 feet long; 1 foot 8 inches high.

OPENINGS 55M318—One glazed door, four lights, 8x10 inches. Sash hinged to swing outward. Above the sash in door is a 10-inch canvas ventilator. The lower part of front consists of hinged frame covered with 1-inch mesh poultry netting. Small entrance door on side for chickens, as shown. See general specifications above.

Design 55M316

55M316—Simplex Portable Chicken House, complete with hennery outfit and floor. Shipping weight, 860 pounds..... **$49.00**

55M317—Simplex Portable Chicken House, same as 55M316, but without floor. Shipping weight, 760 pounds..... **$46.00**

55M318—Simplex Portable Chicken House, complete with wire netting covered runway. Shipping weight, 660 pounds..... **$38.10**

55M319—Simplex Portable Chicken House, same as 55M318, but without wire netting covered runway. Shipping weight, 600 pounds..... **$36.50**

Specifications for 55M321 Brood Coop.

SIZE—Dimensions over all, 4 feet 10 inches by 2 feet. Nest compartment is 22 inches wide by 24 inches deep and 24 inches high, with roof slanting to rear. Runway is 24 inches deep by 36 inches long with 1-inch mesh galvanized wire netting covering the open front.

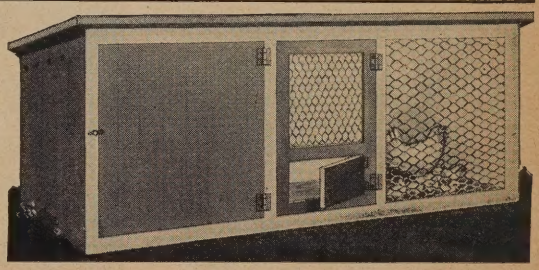
OPENINGS—One small sliding door in partition between nest and runway. The open front has a hinged door 12 inches wide by 22 inches high, which gives access to inside of coop; in the bottom of this door is a small hinged opening, swinging outward. The solid wood front of the next compartment is hinged, allowing easy cleaning.

PAINT—Entire coop dipped in vermin exterminator paint.

FLOOR—Yellow pine flooring ½ inch thick, dressed and matched, and painted with vermin exterminator liquid. Floor under nest compartment only.

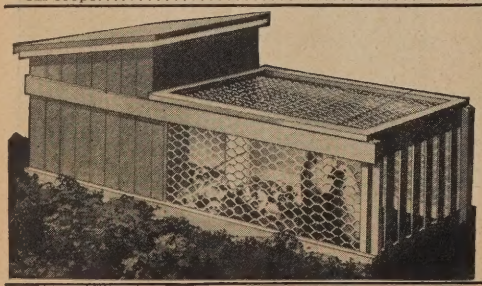
ROOF—Dressed and matched boards ¾ inch thick.

WALLS—Yellow pine boards.



55M321—Simplex Portable Brood Coop, complete as described. Shipping weight, 90 pounds.

Each coop..... **$ 6.75**
Three coops..... **19.50**
Six coops..... **38.00**



Specifications for 55M320 Brood Coop.

SIZE—Dimensions over all, 4 feet 10 inches by 2 feet. The coop without runway is 24 inches wide by 22 inches deep and 24 inches high, with roof slanting to rear. The runway is 24 inches wide by 36 inches long, covered with 1-inch mesh galvanized wire netting.

OPENINGS—The coop has a small hinged door swinging outward to the runway. There are four small ventilating holes near the top. At the end of the runway is a slatted door with the slats far enough apart for the chicks to go through, while the door can be raised upward to let out the mother hen.

PAINT—Entire coop dipped in vermin exterminator paint.

FLOOR—Yellow pine flooring ½ inch thick, dressed and matched, and painted with vermin exterminator liquid under nest only.

ROOF—Dressed and matched boards.

WALLS—Yellow pine matched boards.

55M320—Simplex Portable Brood Coop, complete as described. Shipping weight, 40 pounds.

Each coop..... **$ 5.75**
Three coops..... **16.50**
Six coops..... **32.00**

Simplex Portable Hennery Outfits 55M322 to 55M329.

Combined Roosting and Nesting Outfit. Nest boxes, which are 12 inches wide, 16 inches long and 6 inches deep, slide in and out like a drawer, the hens entering at the rear. The long hinged board, attached to the front, keeps the nests dark and is raised when gathering eggs. The drop board covers the nests and may be removed, allowing easy cleaning. The wooden perches are 1½x1¾ inches. This hennery outfit is made ready for use by simply attaching the legs and roosts. Hennery outfit treated with vermin proof liquid. Shipped from factory in SOUTHERN ILLINOIS.

PRICES OF SIMPLEX PORTABLE HENNERY OUTFITS.

Catalog No. of Outfits	Number of Chickens Accommodated	Number and Length of Perches	Number of Nests	Shipping Weight, Pounds	Outfit, Complete
55M322	10	Two 4-foot	3	70	**$ 5.75**
55M323	14	Two 5-foot	4	90	**7.00**
55M324	16	Two 6-foot	5	110	**8.00**
55M328	33	Three 8-foot	7	160	**11.00**
55M329	40	Three 10-foot	9	200	**13.50**

Simplex Portable Feed Hoppers.

The complete hopper consists of two ends, two sides, the top and food trough for keeping separate the different foods. All parts are perfectly fitted and shipped crated in a flat bundle. The parts can be put together in a few minutes' time.

Catalog No.	Size, In.	Shpg. Wt., Lbs.	
55M330	12x24	25	**$3.60**
55M331	12x30	30	**4.05**
55M332	12x36	35	**4.20**

ALL ITEMS LISTED ON THIS PAGE SHIPPED FROM FACTORY IN SOUTHERN ILLINOIS.

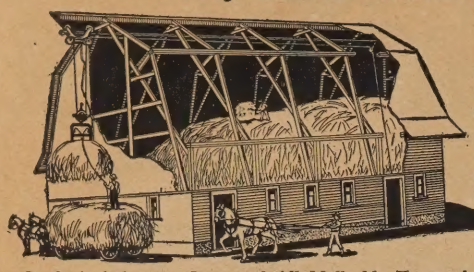
The Strongest Paint Guarantee in the World!

We Guarantee
We agree to furnish new paint free of charge, ship it to you at our expense and PAY FOR PUTTING IT ON YOUR BUILDING, if Seroco Paint does not give you the service you have a right to expect when carefully applied according to our directions—two coats to painted surfaces in fairly good condition, three coats to new surfaces and old painted and unpainted surfaces in bad condition—with raw linseed oil and turpentine added as per instructions on the containers, depending on the condition of the surface.
Or, if after applying a portion of any Seroco Paint you are not satisfied in every way, you may send back the remainder and we will return the price you paid for the entire quantity, including all shipping charges.
We guarantee Seroco Paint to represent good honest value; that it will make a nice appearing job; will fully protect the surface on which it is applied; is easy to apply and will give you the service you have a right to expect of any paint, regardless of price.
SEARS, ROEBUCK AND CO.
CHICAGO - PHILADELPHIA
Put it on and forget it!

For Our Complete Line of Paints and Varnishes Send for Our Paint Catalog D557MFB

Good Hardware for Modern Barns

Kenwood New and Improved Hay Carrier Outfits



Note—Our Hay Carrier Outfits are not skimped, but include full amount of rope necessary to properly equip the newer and popular style of barns having end hay doors.

Not mailable.

Outfit includes one **Improved All Malleable** Kenwood Double Swivel **Large Mouth** Hay Carrier, one 30-inch double harpoon hay fork, steel track, rafter brackets, hanging hooks, four floor hooks, four steel yoke knot passing pulleys, ¾-inch manila carrier rope, ⅜-inch manila check rope and one swivel rope hitch.

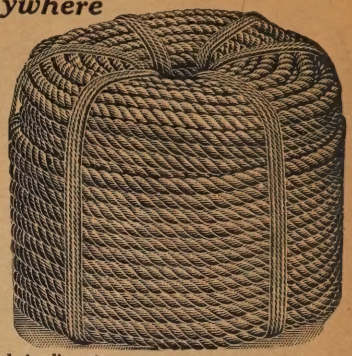
Catalog No.	Length of Barn	Manila Rope ¾-Inch Carrier Rope	Manila Rope ⅜-Inch Check Rope	Hanging Hooks	Rafter Brackets	Shipping Weight	Price, With Track
99A6491	30 ft.	130 ft.	70 ft.	16	16	216 lbs.	$25.50
99A6492	40 ft.	145 ft.	80 ft.	21	21	247 lbs.	28.75
99A6493	50 ft.	160 ft.	90 ft.	26	26	288 lbs.	32.00
99A6494	60 ft.	175 ft.	100 ft.	31	31	320 lbs.	34.00

More Value Per Dollar Than You Can Obtain Anywhere

Pure Manila Rope 1-Inch **$7.80** Per 100 Feet

Long Fiber, Fresh New Stock, Full Size and Strength

Any Length Up to 1,200 Feet.



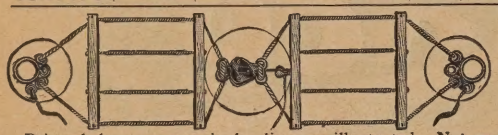
Guaranteed all pure manila, no jute or sisal mixed with it. High grade in every respect. For hay carriers it is unexcelled. Will stand 25 to 50 per cent more strain than ordinary rope.

Manila rope is never measured exact diameter, one-third of the circumference being considered the diameter. Can furnish in one piece any length up to 1,200 feet.

NOTE—Rope for our hay carriers should not be ordered larger than 1 inch in diameter.

99A7825—State size wanted when ordering.

Size	Wt., per 100 Feet	Per 100 Feet	Per Foot	Size	Wt., per 100 Feet	Per 100 Feet	Per Foot
¼ in.	2 lbs.	$0.60	¾c	⅞ in.	23 lbs.	$ 6.60	7c
⅜ in.	4 lbs.	1.35	1½c	1 in.	27 lbs.	7.80	8c
½ in.	7½ lbs.	2.40	2½c	1⅛ in.	36 lbs.	10.50	11c
⅝ in.	13½ lbs.	3.90	4c	1¼ in.	42 lbs.	12.00	13c
¾ in.	17 lbs.	4.80	5c	1½ in.	60 lbs.	16.00	17c

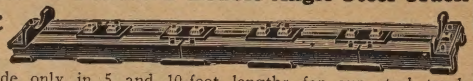


With Center Trip Locks **$4.45** 5-Foot

Prices below are per single sling, as illustrated. **Not mailable.**
99A6441—Width of crossbars, 5 ft. Shpg. wt., 25 lbs. Per sling....$4.45
99A6442—Width of crossbars, 6 ft. Shpg. wt., 29 lbs. Per sling.... 4.75

Improved Kenwood Double Angle Steel Track

16c Per Foot



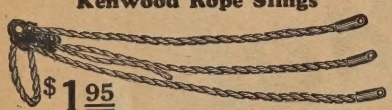
Made only in 5 and 10-foot lengths for our steel track carriers. KENWOOD TRACK is pinned at all coupling joints and on the ends at bumpers (see illustration) making it impossible for track to come apart through shock when in use. Malleable iron couplings and bumpers with bolts furnished with track. Size, 1x1x⅛ inch.
99A1030—Shipping weight, per foot, 2 pounds. Per foot, double track, as illustrated.....16c

Malleable Rafter Bracket

5c

For hanging hay carrier track. Weight, 4 ounces.
9A6160....5c

Kenwood Rope Slings



$1.95

Adjustable rope slings. Three ½-inch ropes, each 20 feet long. Has adjustable take up, by means of which the sling can be shortened or lengthened to suit the user. Shipping weight, 4½ pounds.
99A6439 .....$1.95

Kenwood Rope Sling Holder or Lock

85c

Malleable iron. For use with Kenwood rope slings or with any sling pulley. Positive lock trips easily. Only one holder needed with each carrier. Weight, 2 pounds.
9A6161—Each 85c

Floor Hook

To screw into floor of barn to hold rope pulleys, ¾ inch diameter, 7 inches long. Weight, 1¼ pounds.
9A6150 .....11c

Iron Yoke Common Frame Pulley

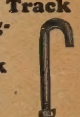
58c

Malleable Iron

With large loose hollow pin and 5½-inch maple sheave. Weight, 3 lbs.
9A6164 .....58c

Steel Track Hanging Hook

13c



9A6158—7½ inches long. Wt., 1 pound.....13c

Kenwood Double Harpoon Hay Fork

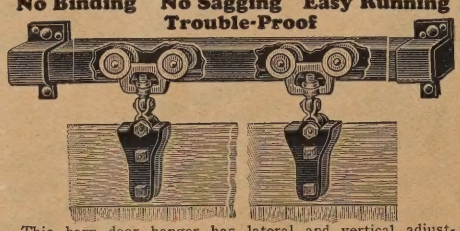
99A6417—With 24-inch tines and 16 inches between points. Shipping weight, 20 pounds.....$2.10
Not Mailable

99A6418—With 30-inch tines and 16 inches between points. Shipping weight, 22 pounds.....$2.35
Not Mailable

Roll-Rite Adjustable Roller Bearing Trolley Barn Door Hangers

$1.95 Per Pair

No Binding No Sagging Easy Running Trouble-Proof



This barn door hanger has lateral and vertical adjustment which gives door any clearance or alignment desired without the necessity of blocking up or removing door. Set consists of two hangers (one pair), one center bracket and two end brackets for track. Suitable for 1¾-inch doors. Shipping weight, 9¼ pounds.
99A4485—Set complete without track, with necessary bolts and screws for attaching.....$1.95
Heavy Japanned Steel Trolley Track for above hangers. Price does not include brackets. Shipping weight, 1½ pounds to the foot.

	Lgth., Ft.			Lgth., Ft.	
99A4486	4	$0.88	★99A4489	8	$1.76
99A4487	5	1.10	★99A4490	10	2.20
★99A4488	6	1.32	★Not Mailable		

9A4241—Japanned Steel Center Brackets for above track. Brackets should not be more than 3 feet apart. Price includes lag screws. Weight, 12 ounces. Each....18c

Flat Pulley. For Hay Doors

15c

For use with flexible cast steel cable. Size, 4¾x2¼ inches. 2¼-in. wheel. Weight, 12 ounces.
9A6153
15c

Eye Bolt

20c

For fastening steel cable to hay doors. Size, ½x3¼ inches. Weight, 8 ounces.
9A6157
20c

Manger Ring

12c

2¼-inch ring. Screws furnished for attaching. Weight, 6 ounces.
9A6155
12c

Swivel Rope Hitch

25c

Made of malleable iron. Wt., 1½ lbs.
9A6162
25c

Improved Kenwood Right Angle Self Locking Sling Pulley

$2.85

All Malleable Iron

For use with our hay carrier only. Draws up load without twisting pulley. Finished in gray enameled paint. Shipping weight, 13 pounds.
99A6448...$2.85

Improved Kenwood Large Mouth Double Swivel Hay Carrier

For Steel Track

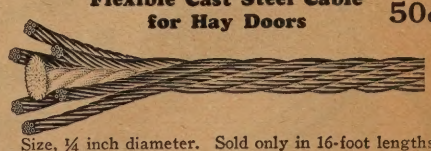
All Malleable Iron

$6.20

For ¾-in. and ⅞-in. manila rope. Price includes stop and fork pulleys. If carrier is to be used with wagon slings a sling pulley will be required. Finished in gray enamel paint. Shpg. wt., 30 lbs.
99A6402 .....$6.20

Flexible Cast Steel Cable for Hay Doors

50c



Size, ¼ inch diameter. Sold only in 16-foot lengths. Weight, 14 ounces.
9A6151—Per length.....50c

Heavy Steel Strap Hinges

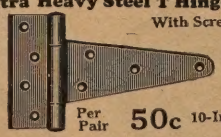
With Screws 10-Inch
43c Per Pair.

Size given is length from joint to end of hinge. State size.
9A4395

Size, Inches	Wt., Pounds per Pair	Per Pair With Screws
6	1½	18c
8	2½	27c
10	4	43c

Extra Heavy Steel T Hinges

With Screws



Per Pair **50c** 10-Inch

Size given is measurement from joint to end of hinge.
9A4399—State size.

Size, inches.....	6	8	10
Wt., pair, lbs.....	2½	3	4
Per pair, with screws	24c	38c	50c

Acme Barn Door Latch

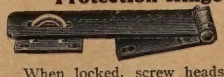
49c

For swinging doors. A japanned all steel latch operated from either side of door by means of a roomy, comfortable handle. Fits any door ¾ to 1¾ inches thick. Complete with one pair of padlock eyes and japanned screws. Weight, 1¾ pounds.
9A4232 .....49c

Protection Hinge Hasps

18c

4½-Inch



When locked, screw heads are concealed.
9A4213—Size, 4½ inches. Weight, 6 ounces. With screws.....18c
9A4214—Size, 6 inches. Weight, 10 ounces. With screws.....26c

Yankee Door Catch

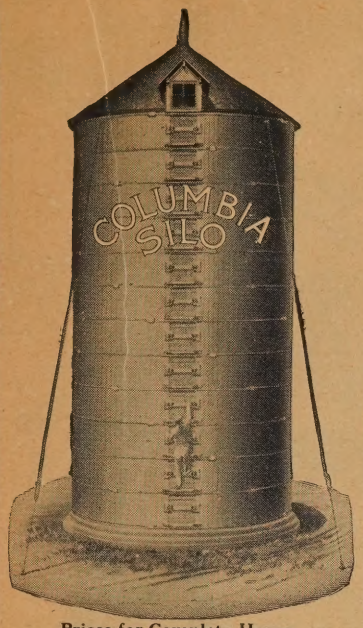
12c

Made of cast iron japanned. Weight, 6 ounces.
9A4242
With screws 12c

Brass Plated Steel Padlock

Width, 2 inches; length, 3 inches. Two keys. Weight, 5 ounces.
9A4352...32c

Columbia Silos $113.00 and Up



Furnished in two grades, full length clear fir staves and select or second grade spliced yellow pine staves joined together with galvanized steel splines.

All of our staves are worked from 2-inch stock planed on both sides, edges worked with tongue and groove.

Do not let our low prices bring any question to your mind concerning the quality of our Silos. We never sacrifice quality for price.

DOORS AND FRAMES—Our door frame is one of the strongest on the market, made of the same quality of material as our staves. The cross braces are made of 2x6s bolted to the uprights. The frame is further reinforced by a ¼x2½-inch bar of steel, which gives great strength to the door frame. The door is so arranged that the inside is smooth, allowing the silage to settle freely, as it should.

OUR SILOS ARE TIGHT—The doors are interchangeable and are drawn to place by means of a heavy tail nut and bolt on each side which clamps a heavy piece of steel against the outside of the frame.

FELT GASKETS are provided to be tacked on the doors.

HOOPS AND LUGS—Hoops are made of 9/16-inch steel in three or four sections for each loop, depending on the diameter of the silo, and have standard machine cut threads extending 7 inches from each end, which gives 3 feet and 6 inches draw on each hoop. Strong malleable iron lugs and clean well fitted nuts join the ends of the hoops.

SAVE ON FREIGHT—If a few men club together, ordering four or five silos, the freight will be reduced considerably by shipping in carload lots (approximately 30,000 pounds). Send us the names of your neighbors who are interested.

If you are unable to secure a sufficient number of neighbors to join you in ordering a carload, send us your own order anyway. Send it early, specifying the latest shipping date that will be convenient to you, and we may be able to include your silo with others coming near to your station.

Diameter, Feet	Height, Feet	Number of Hoops	Estimated Capacity, Tons	Number of Cattle	Weight, Without Roof, Pounds	Full Length Clear Fir Staves Without Roof, But With Anchors, Cables, Turnbuckles and Hoops. 56M1241	Spliced Select Yellow Pine Staves Without Roof, But With Anchors, Cables, Turnbuckles and Hoops. 56M1244
8	20	9	20	6	3,200	$146.00	$113.00
8	24	11	25	7	3,850	174.00	134.00
10	20	9	30	8	4,400	174.00	134.00
10	24	11	36	11	5,250	207.00	160.00
10	28	13	43	13	6,100	241.00	186.00
12	20	9	45	14	5,200	211.00	163.00
12	24	11	55	16	6,250	243.00	188.00
12	28	13	68	20	7,300	282.00	217.00
12	30	13	76	23	7,800	303.00	234.00
14	24	11	73	22	7,250	278.00	214.00
14	28	13	90	27	8,450	321.00	248.00
14	30	13	100	30	9,000	347.00	268.00

Silos Shipped From Factory in SOUTHERN ILLINOIS

Prices for Complete Hoops
56M1261

Diameter	Weight	Each
8 ft.	30 lbs.	$1.64
10 ft.	39 lbs.	1.93
12 ft.	48 lbs.	2.24
14 ft.	55 lbs.	2.54
16 ft.	62 lbs.	2.84
18 ft.	69 lbs.	3.20
20 ft.	78 lbs.	3.50

Felt Gaskets for Any Silo

Be sure to tell us the name and size of your silo and we will send you the proper quantity of good felt gaskets, ready to tack on. Do not delay ordering these until too late, as doors that are not tight cause the silage to decay.

56M1250—Felt Gaskets.
For silos 24 feet or less in height..... $1.50
For silos 24 to 30 feet high..... 1.75
For silos 30 to 36 feet high..... 2.25

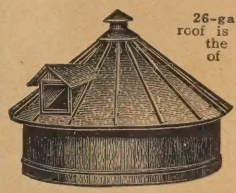
The above prices include a sufficient quantity for a complete silo of size given. Shipping weight of any of above gaskets, each, 1 pound.

SAVED $50.00—LUMBER A1

Sears, Roebuck and Co. Chagrin Falls, Ohio.

Gentlemen:—I am well pleased with the silo I purchased from you and have saved about $50.00 on the order over any price I was able to get elsewhere. The lumber is A1. D. D. GORE.

Galvanized Steel Roofs



26-gauge steel. This roof is self supporting, the standing seams of four thicknesses of steel serving as rafters. Filling door and ventilator included.

Prices of Galvanized Steel Roofs Without Dormer or Sash.

To Fit Silo Diameter (Outside)	56M1245 Weight	
8 feet	145 pounds	$17.00
10 feet	190 pounds	20.75
12 feet	275 pounds	25.25
14 feet	355 pounds	34.50

56M1248—Steel Dormer and Glazed Sash with hinges and screws for dormer..... $8.50

Shipped From OHIO Factory

Malleable Iron Lug for Silo Hoops
56M1264—Wt., 1 lb. Each..... 7c

Anchor Complete
56M1262

Height	Weight	Per Set of Three
20 to 26 ft.	100 lbs.	$5.60
28 to 34 ft.	100 lbs.	6.55

Ventilators for Barns, Stables and Other Buildings $9.90 and Up

Majestic Ventilators

Lightning rod connection, consisting of heavy copper wire, properly fastened inside of ventilator, $3.50 extra.
Your choice of gold bronzed horse or cow weather vane.
Base furnished straight so it can be fitted to any roof.

Our Majestic Ventilators are scientifically designed and constructed. They have been planned after the best and most approved ideas.

The size of the ventilator required is governed by the number of cattle in the building. If you have more than twenty cattle under one roof you should have two or more ventilators of size according to the number of cattle as shown below.

Each ventilator has a continuous draft arrangement to draw out the foul air and replace it with fresh air.

Any one of these ventilators will go a long way in making any outbuilding attractive, but its main service consists in keeping the building perfectly ventilated under all weather conditions. Leading agricultural authorities agree that ventilation is absolutely necessary in order to get the best results from stock of any kind. Animals will thrive better in a building continually supplied with pure, fresh air. Considering the low price and the high quality of our ventilators, no farmer can afford to be without one.

Extra heavy 22, 24 and 26-gauge galvanized steel is used in the manufacture of our Majestic Ventilators, according to size. Nothing thinner than 26-gauge galvanized steel is permitted, and this is only used in the smaller sizes and in parts of larger ones where heavier gauge is not required.

Each ventilator is furnished with four stay rods which hold it securely in place on the roof. A wire screen is provided to keep the birds out. When properly secured to the roof, our ventilators, owing to their weight and scientific attachment, will resist unusually severe storms.

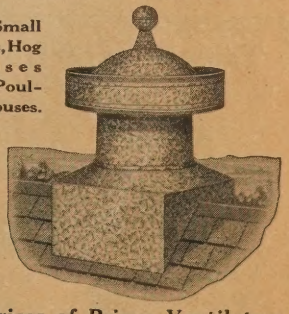
Prices of Majestic Ventilators for Large Buildings

Shipped From OHIO Factory

Catalog No.	Size of Flue, Inches	Size of Base, Inches	Height	Wt., Lbs.	No. of Cattle	Each
48M657	18	26	7 ft. 6 in.	115	4	$22.00
48M652	20	29	8 ft. 8 in.	155	6	25.60
48M653	24	36	9 ft. 5 in.	182	8	29.20
48M654	28	40	10 ft. 4 in.	235	12	34.95
48M655	30	44	10 ft. 6 in.	252	14	37.35
48M656	36	55	11 ft. 3 in.	396	20	45.60

Prince Ventilators

For Small Barns, Hog Houses and Poultry Houses.



Prices of Prince Ventilators for Small Buildings

Shipped From OHIO Factory

Catalog No.	Size of Flue, In.	Size of Base, In.	Height	Wt., Lbs.	Each
48M650	16	22	3 ft. 5 in.	55	$ 9.90
48M651	18	24	3 ft. 6 in.	58	12.10

A 400 lb. Separator for $36.85

Economy King

MADE AND SOLD ONLY BY SEARS, ROEBUCK & CO.

30 Days' Farm Trial and Satisfaction Guaranteed

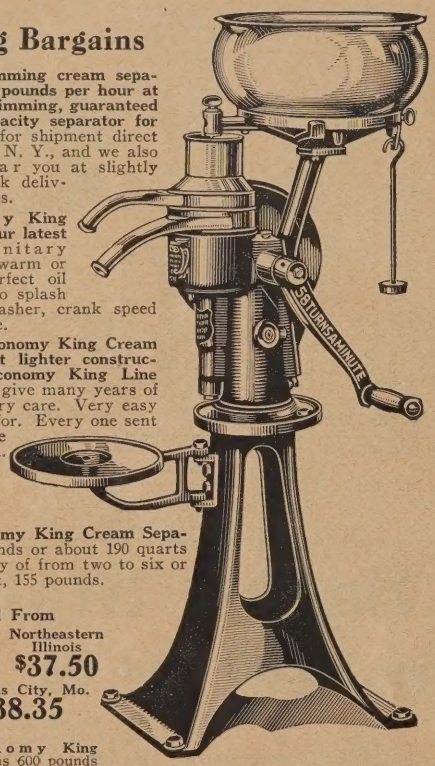
Lowest Prices

Two Surprising Bargains

A high quality, close skimming cream separator with a capacity of 400 pounds per hour at only $36.85. A big fast skimming, guaranteed 600 pounds per hour capacity separator for $50.75. These prices are for shipment direct from our factory at Buffalo, N. Y., and we also ship from a warehouse near you at slightly higher prices, insuring quick delivery and small freight charges.

These special Economy King Cream Separators have all our latest improvements, including sanitary loose disc bowl that skims warm or cold milk at perfection, perfect oil splash lubricating system, no splash supply tank, handy disc washer, crank speed timer and every convenience.

Although these Special Economy King Cream Separators are of somewhat lighter construction than our Standard Economy King Line listed at the right, they will give many years of splendid service, with ordinary care. Very easy to run, to clean and to care for. Every one sent on thirty days' trial, and we guarantee perfect satisfaction.



23M5224—Special Economy King Cream Separator No. 24. Skims 400 pounds or about 190 quarts an hour. Adapted for a dairy of from two to six or seven cows. Shipping weight, 155 pounds.

Price if Shipped From

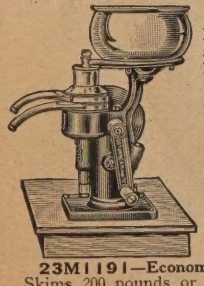
Buffalo, N. Y.	Northeastern Illinois	St. Paul, Minn.	Kansas City, Mo.
$36.85	$37.50	$38.50	$38.35

23M5226—Special Economy King Cream Separator No. 26. Skims 600 pounds or about 290 quarts an hour. A good size for any dairy of from three to twelve or fifteen cows. Shipping weight, 195 pounds.

Price if Shipped From

Buffalo, N. Y.	Northeastern Illinois	St. Paul, Minn.	Kansas City, Mo.
$50.75	$51.50	$52.50	$52.60

Table Sizes for Homes and Small Dairies



23M1190—Economy King Cream Separator No. 10, without stand. Skims 135 pounds or about 65 quarts of milk an hour. For use in households or where only one or two cows are to be milked and the quantity to be skimmed is always small. Shipping weight, 90 pounds.

Price if Shipped From

Buffalo, N. Y.	Northeastern Illinois	St. Paul, Minn.	Kansas City, Mo.
$29.45	$29.85	$30.35	$30.35

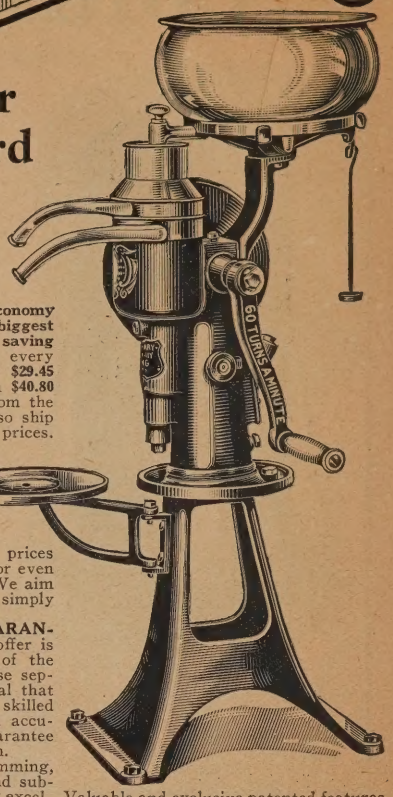
23M1191—Economy King Cream Separator No. 11, without stand. Skims 200 pounds or about 95 quarts an hour. For home dairies of from one to three cows, we recommend this size, as it skims so much more quickly than the smallest size. Also adapted for small milk dealers, hotels, summer resorts, etc. Shipping weight, 100 pounds.

Price if Shipped From

Buffalo, N. Y.	Northeastern Illinois	St. Paul, Minn.	Kansas City, Mo.
$33.40	$33.80	$34.30	$34.35

Bench shown in picture not included.

Our Standard Economy King Line



We offer the genuine Standard Economy King, one of the world's best and biggest selling cream separators, at money saving prices this season. Big savings on every size. Table size machines now only **$29.45** and **$33.40.** Regular dairy sizes from **$40.80** up. These prices are for shipment from the factory at Buffalo, N. Y., and we also ship from other points at slightly higher prices.

Compare prices and match the big line of guaranteed separators listed below, capacity for capacity, and weight for weight, with similar machines offered by agents and local dealers. Don't be surprised if you find our prices far below the prices asked by others for even light weight and inferior machines. We aim to make our prices so low that you simply can't afford to buy elsewhere.

QUALITY ABSOLUTELY GUARANTEED. Every cream separator we offer is built in our own big factory, one of the largest and finest in the world. These separators are made of the best material that money can buy. They are built by skilled mechanics, aided by most costly and accurate machinery, and we positively guarantee them to give you perfect satisfaction.

In ease of running, closeness of skimming, sanitary features, scientific design and substantial long lasting construction, they excel. Valuable and exclusive patented features include oil splash lubrication—every bearing flooded with oil while running, reducing wear and friction to almost nothing. Separable spindle, sanitary loose disc skimming bowl. Crank speed timer on all dairy sizes. Oiling indicators on all sizes. Special wide range cream regulation—any cream from heaviest to lightest easily obtained. Sanitary base, instant bowl seating device and numerous other advantages.

Our signed guarantee goes with every one and protects you against defects in material and workmanship during all the years you use it.

Sent anywhere on thirty days' trial, guaranteed to please you or your money returned.

23M1192—Standard Economy King No. 12 with stand. Skims 250 pounds or about 120 quarts an hour. Best for a small herd of two to four cows which you do not expect to enlarge later on. Shipping weight, 175 pounds.

Price if Shipped From

Buffalo, N. Y.	Northeastern Illinois	St. Paul, Minn.	Kansas City, Mo.
$40.80	$41.50	$42.50	$42.50

23M1194—Standard Economy King No. 14 with stand. Skims 375 pounds or about 180 quarts of milk an hour. Adapted for a herd of from two to five or six cows. Shipping weight, 190 pounds.

Price if Shipped From

Buffalo, N. Y.	Northeastern Illinois	St. Paul, Minn.	Kansas City, Mo.
$51.50	$52.25	$53.25	$53.30

23M1196—Standard Economy King Cream Separator No. 16. Skims 600 pounds or about 290 quarts of milk an hour. This is our most popular size. Skims at the rate of a milk pail full every two minutes and does a big skimming in short order. Adapted for any dairy of from three to twelve or fifteen cows. Shipping weight, 240 pounds.

Price if Shipped From

Buffalo, N. Y.	Northeastern Illinois	St. Paul, Minn.	Kansas City, Mo.
$61.00	$61.90	$62.90	$63.35

23M1198—Standard Economy King Cream Separator No. 18. Skims 800 pounds or about 390 quarts an hour. This is the best size for herds of from ten or twelve to fifty cows or more. Easily handles the extra large milk flow when the cows are fresh or on spring pasture. Well adapted for use with power, if desired, because of its heavy frame and base and substantial construction throughout. Sent on thirty days' trial. Shipping weight, 255 pounds.

Price if Shipped From

Buffalo, N. Y.	Northeastern Illinois	St. Paul, Minn.	Kansas City, Mo.
$71.60	$72.50	$74.00	$74.00

Mail your order to Sears, Roebuck and Co., Chicago, Ill., Kansas City, Mo., or Philadelphia, Pa., whichever is nearest to you, enclosing the price of the size cream separator you select for shipment from our nearest warehouse. By shipping from a nearby warehouse we insure prompt delivery and very moderate freight charges.

Easy Monthly Payments We also sell Economy King Cream Separators in the dairy sizes on monthly payment terms at slightly higher prices. If interested, write for our easy payment proposition and prices on Economy King Cream Separators.

Send For This Catalog

OUR Special Catalog of Implements and Farm Equipment is a real buyers' guide for the Farmer, Fruit Grower, Dairyman and Bee Keeper. It contains the most complete line of High Quality Farm Equipment carried by any store, and because of our exceptionally low prices this special catalog is the best possible medium the farmer can use in determining by comparison the prices he should pay for standard implements and farm equipment.

The limited space available in our Big Catalog or in our Barn and Dairy Barn Equipment Catalog does not permit us to show all of our extensive line of farm equipment, hence we have prepared this Special Catalog of Farm Implements and Equipment which we will be pleased to mail you postpaid if you will fill in and mail to us the request blank below.

Order this Special Catalog today and buy better quality for less money.

SEARS, ROEBUCK AND CO.

Please send me postpaid your Special Catalog of Implements and Farm Equipment, D645MFB.

Name.....

Postoffice.....

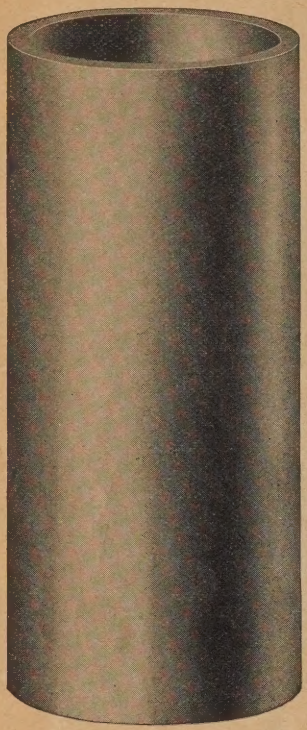
State .....

Rural Route..... Box No.....

Street and No.....

Peerless Sanitary Barn Equipment

PEERLESS Steel Stalls are simple, strong and entirely practical. They are free from complicated devices; have no small, weak parts to break, bend or get out of order, yet they contain all the features necessary for cleanliness and convenience. Any dairyman whose barn is equipped with Peerless Equipment can keep his barn and cows clean and comply with any requirements that may be imposed by the authorities just as easily and satisfactorily as he could if he were to invest in other equipment twice the amount that would buy the Peerless.



Actual Size of High Carbon Steel Tubing, 1⅝ Inches in Diameter, ⅛ Inch Thick, Used in Peerless Stalls and Pens.

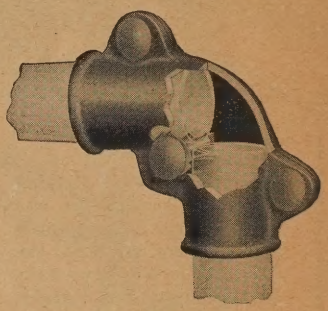
Peerless Steel Stalls are constructed of a specially rolled high carbon steel tubing, 1⅝ inches outside diameter, with walls ⅛ inch thick. This tubing is extremely stiff and strong, far in excess of any strain that could ever be put upon it in actual service.

The stalls can be quickly and easily set up, as they are put together with malleable, bolted clamp fittings. There are no threads anywhere in the tubing or the fittings, but everything is bolted together.

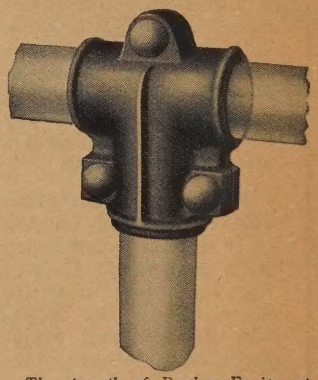
The upright posts stand 5 feet 5 inches above the floor, with 5 inches additional embedded in the concrete. A cast flange is riveted to the bottom of each partition to anchor it in the concrete and the partitions cannot become loose or pull up. The stall partitions extend back 42 inches from the upright posts and are 42 inches above the floor. A plan showing these measurements will be found on page 45.

The stalls and partitions are finished with a blue gray enamel paint. This is a hard, durable, glossy finish, easily kept clean and can be renewed should it become worn or rubbed after a time.

Peerless Stalls and Stanchions are not only equal in quality to any similar equipment, but they also contain numerous valuable features which are found only in the Peerless line, and the prices at which we furnish them will mean a material saving in nearly every case.

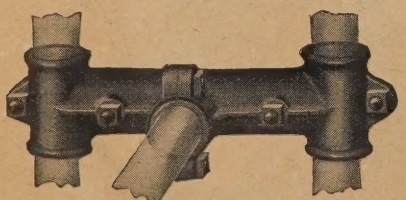


X-Ray View of One of the Malleable Elbow Clamps With Tightener Wedges Used in Peerless Steel Stalls.

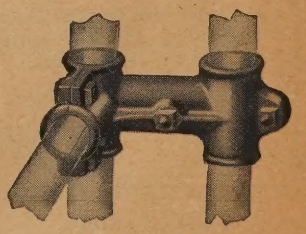


The strength of Peerless Equipment is shown in this illustration of one of the tee couplings.
The pattern is heavily ribbed and beaded, and three 7-16x1¾-inch carriage bolts are used to secure it in place.
All castings and fittings used in Peerless Equipment are unbreakable malleable iron.

Illustration at top shows an X-ray view of one of the elbow clamps used at the end of a row of stalls. These elbow clamps are subjected to a considerable strain when the cows are in their stalls, as they take the side strain of the entire row of stalls. The clamps generally furnished with steel stalls simply clamp over the ends of the tubing and have no special device for resisting this strain, consequently the tubing is sometimes forced out of the clamps. With our end clamps this trouble is eliminated by a special adjusting or tightener bolt. This tightener bolt has two hardened tapered wedges with saw teeth, which engage with the ends of the tubing. Thus when the bolt is drawn up it not only tightens the clamp, but each turn of the nut causes the wedges to grip the tubing more firmly, making it impossible for the tubing to pull out of the clamp. This tightening device is also furnished with the corner clamps of our bull pens, cow pens and calf pens.

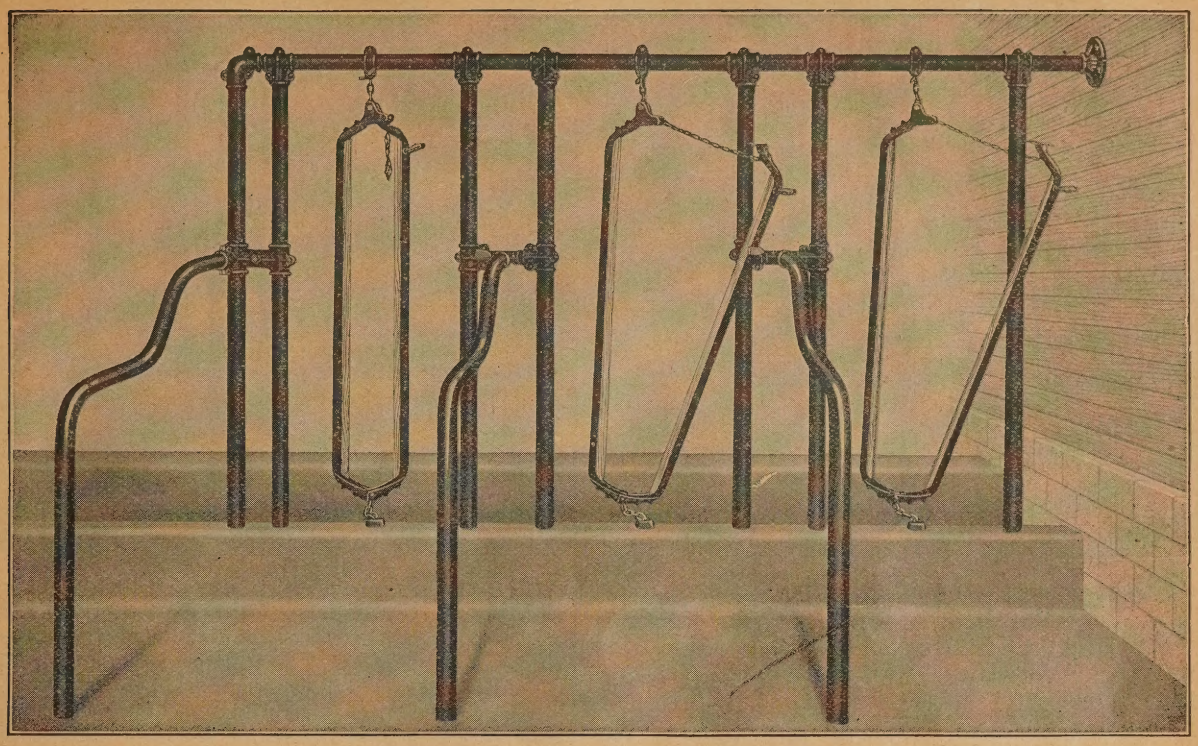


The heavy reinforced malleable iron cross coupling which rigidly braces the stall posts, and into which the bent partition is bolted. The coupling is fastened by six strong bolts.
The coupling would have to break or the stall posts bend before the bent partition could spring out of place.



The two stall posts at the end of a row of Model A stalls are connected by a heavy malleable iron corner and end coupling, into which the bent partition is bolted. This forms not only a rigid end brace for the entire row of stalls, but also braces the bent partition so that it cannot be sprung out of place, no matter how great the pressure against it.

Sanitary Steel Stall—Model A



The Model A is our most popular stall, and the best. It is so simple in construction that its really great merit is apt to be overlooked. It is free from complicated devices which would merely add to the cost but add no real value or advantage in use, yet the Model A Stall accomplishes every object worth while.

The double stall posts are held immovable by the heavy malleable iron cross coupling, and the two stall posts and partition at the end of the row, with the special end cross coupling, form a rigid brace for the whole row of stalls.

No movable cow stops necessary with the Model A Stalls.

The double, cross braced stall posts are so spaced that when the stanchion is open the cow must go right into the stanchion, yet when the stanchion is closed the stall posts are far enough apart to give the cow ample space for comfort at all times. She can reach all parts of the manger with ease.

The curved partition is clamped into the cross coupling and rigidly held in place. It cannot be sprung out of the cross coupling by any strain because the stall posts brace it in both directions.

The stanchion furnished regularly is our flexibly hung wood lined steel Stanchion 32M2214¼, described on page 51, adjustable for three different widths of neck space. The chains are long enough to swing back and forth and give with the animal when she lies down or rises.

We will furnish, instead, Stanchion 32M2211¼ at an extra price of $1.00 per stall. (See illustration on page 47.)

The illustration on this page shows three complete stalls with one end fastened to wall with wall flange.

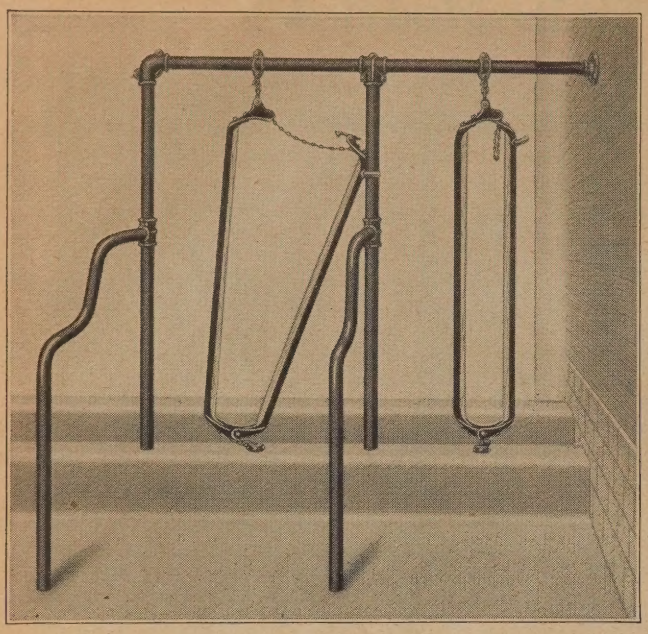
The price is for one stall, consisting of top rail, two side uprights, one bent partition, one stanchion with anchor for bottom, clamp for top rail, necessary elbows, tees, bolts and one wall flange for each row of stalls. This style of stall is furnished 3 feet 6 inches to 4 feet wide, as ordered. Finished in gray enamel. When ordering be sure to state width of stalls desired. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M2263—Model A Stall, complete with stanchion.
Weight, 75 pounds **$8.15**

Where both ends of a row of stalls are independent and neither end joins the wall of building, one extra end section composed of an upright and a bent partition is required for finishing off the end of row. When both ends of a row of this style of stall are finished off, the extra end section consists only of one upright and bent partition, the same as for starting the row.

32M2268—Extra End Section for finishing end row.
Shipping weight, 25 pounds..... **$2.85**

Peerless Sanitary Steel Stalls—Model C



This style stall is generally used for young stock or small cows. It may be used for larger cows when it is desired to keep the cost of equipment down to the lowest point. The material and workmanship are just the same as in our more expensive styles.

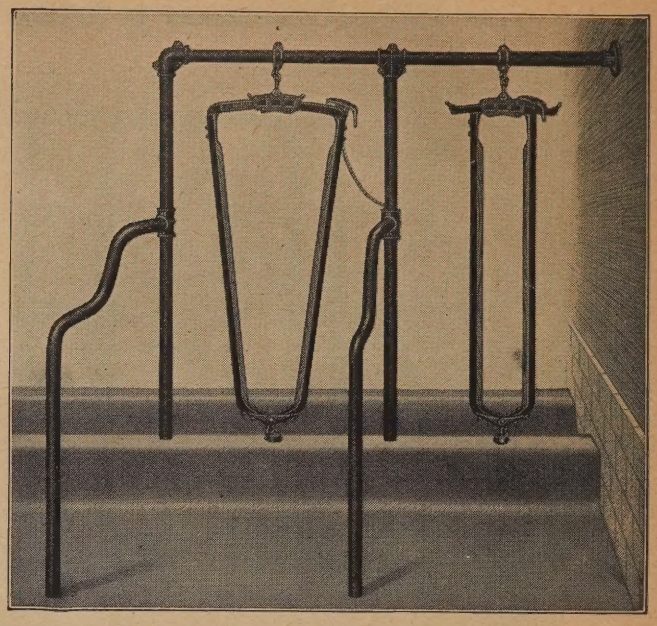
The stanchion furnished with this stall is our 32M2214¼ Peerless Steel Stanchion, more fully described on page 47.

The stalls are made of 1⅝-inch outside diameter high carbon steel tubing, very stiff and strong, with malleable fittings. Elbows for ends have tightener bolt with hardened wedges which grip the frame securely and prevent the tubing from being forced out of place.

The illustration shows two stalls joining wall at one end. The price is for one stall, consisting of one side upright, one bent partition, top rail, stanchion with hanger, curb anchor for stanchion, necessary elbows, tees, bolts and one wall flange for each row of stalls. The stalls are finished in durable gray enamel. Furnished 3 feet to 3 feet 6 inches wide. When ordering state width of stall desired. Weight, 60 pounds each stall. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M2267—Model C Stall **$6.35**

Peerless Sanitary Steel Stalls—Model D



The stall frame and partitions are exactly the same as the Model C Stalls, but are equipped with our Peerless Two-Way Steel Stanchion which is described in detail on page 47. The tubing throughout is 1⅝-inch outside diameter high carbon steel, very stiff and strong.

Elbows for ends have tightener bolt with hardened wedges which grip the frame securely and prevent the tubing from being forced out of place.

The great convenience of the Peerless Two-Way Stanchion makes this a very satisfactory stall. As the stanchion opens equally both ways from the center, a wide entrance is provided for the cow's head and the open space on either side of the stanchion is equally reduced, so the cow will go straight into the stanchion every time.

The illustration shows two stalls joining a wall at one end. The price is for one stall, consisting of one side upright and partition, top rail, stanchion with hanger, curb anchor, necessary clamps, elbows, tees, bolts and one wall flange for each row of stalls. The stalls are finished in durable gray enamel and furnished 3 feet to 4 feet wide. When ordering state width of stall desired. Weight, 65 pounds each stall. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M2261—Model D Stall, complete with stanchion **$7.25**

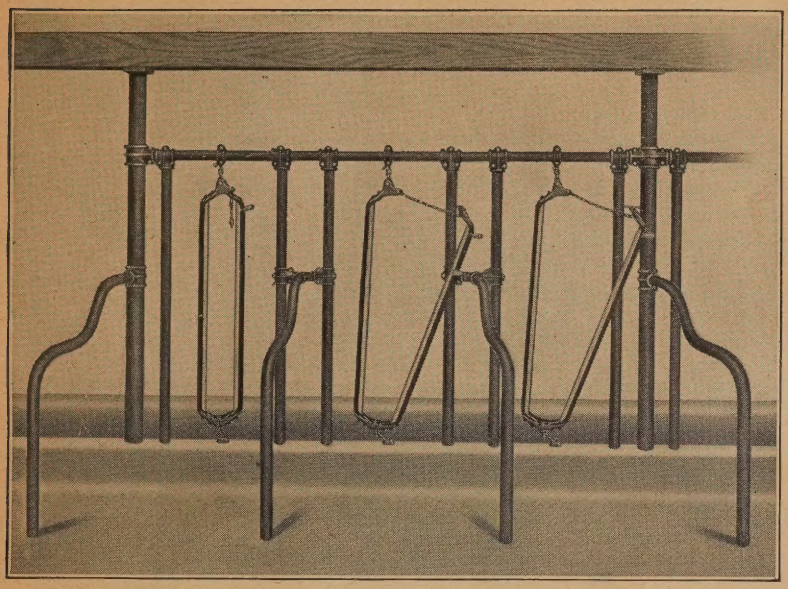
We Guarantee Peerless Quality.

Peerless Dairy Barn Equipment is a strictly high quality line. All materials used are selected with extreme care as to their quality and fitness for the purpose. Every step in the process of manufacture is closely supervised to insure a perfect product. Any article purchased from us which does not prove satisfactory either upon inspection or in service may be returned to us at our expense, and the money paid us, including the freight charges paid by customer, will be promptly returned.

Where both ends of a row of stalls are independent and do not join the wall of building, one extra section composed of an upright and bent partition is required for finishing on the end of row.

32M2268—Extra End Section for finishing end of row. Shipping weight, 25 pounds **$2.85**

Peerless Sanitary Steel Stalls Connected to Building Columns

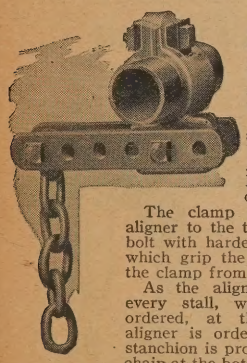


It often occurs that a row of posts or supporting columns will be in direct line with a row of stalls. This illustration shows a row of our stalls connected to tubular columns in line with the manger curb. Sometimes the posts or columns will be so located on the stall platform as to interfere with the placing of the stall partitions. If there are any such obstructions in your barn, send us a floor plan showing the exact location of these posts or columns, and give exact measurements from center to to center; also show how you want the stalls located, and we will send you an estimate of the cost of the necessary arrangement.

While the illustration shows our Model A stalls, any of our other styles of stalls can be connected in the same manner. An extra charge is made for stalls so connected, because special connections and fittings are required.

We have a large number of patterns for special clamps, tees, elbows, and other fittings, by means of which Peerless stalls can be connected to any size of posts or columns, and in almost any manner required.

Peerless Alignment Device



The Peerless Alignment Device makes it possible to adjust the stanchion forward or backward in the stall, aligning all the cows with the gutter at the rear.

The device has a total adjustment of 10 inches backward and forward. Adjustment can be quickly made by the removal of one bolt.

The clamp which fastens the aligner to the top rail has a tightener bolt with hardened saw toothed wedges which grip the rail firmly and prevent the clamp from slipping or turning.

As the aligner is not needed with every stall, we furnish it only when ordered, at the extra price. When aligner is ordered with our stalls the stanchion is provided with an extra long chain at the bottom, so as to give the full benefit of the adjustment. When ordered separately a higher price is charged, because extra chain links are required and the regular stanchion clamp is not used when aligner is furnished with the complete stall. Weight, 2¾ pounds.

32M2275—Peerless Alignment Device.
When ordered with any of our stalls, per stall.. **60c**
When ordered separately, each..... **80c**

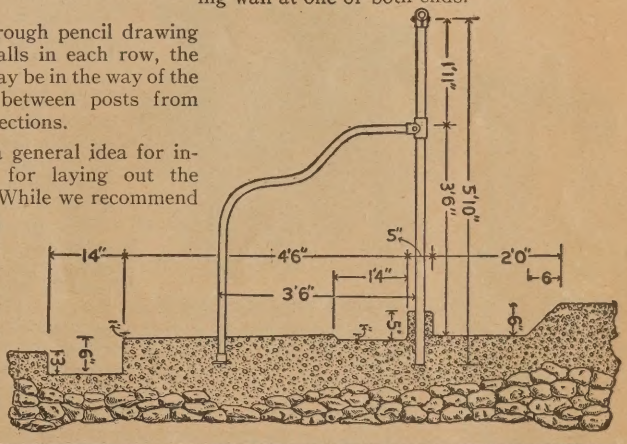
How to Order Peerless Steel Stalls

When ordering stalls be sure to give us the following information:

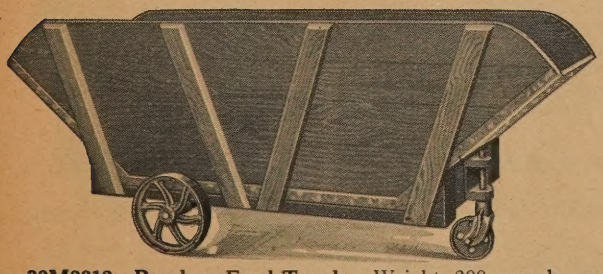
1—The number of stalls you desire.
2—Into how many rows the stalls are to be divided.
3—The desired width of stalls.
4—Whether or not the rows join the building wall at one or both ends.

Also furnish us with a rough pencil drawing showing the number of stalls in each row, the location of any posts that may be in the way of the rows, and the distances between posts from center to center in both directions.

This drawing will give a general idea for installing steel stalls, and for laying out the manger, floor and gutter. While we recommend the use of our alignment device in any case, you can to some extent accommodate cows of different lengths by making the gutter about 4 feet 4 inches from stanchion at one end of row, and about 5 feet at the other end, in a row of about twelve stalls.



Peerless Feed Truck



Strongly made of good lumber. Bottom and ends are made of 20-gauge galvanized steel, turned up all around, making it watertight. Bottom is strongly braced by wooden frame extending entirely around. Ends are reinforced at top with angle steel. Wood sides are 1-inch dressed lumber, strongly braced, as shown in illustration, and strapped on top with band iron. Truck is painted red with oil paint and varnished. Dimensions are: 81 inches long, 24 inches high, 25 inches wide at bottom, 27 inches wide at top. Holds about 14 bushels. The large caster wheel at end permits pushing truck in either direction and turning in short space, and it is more easily handled with a load than a four-wheeled truck. Large wheels are 11½ inches in diameter, with 2-inch face; caster wheel is 6 inches in diameter with 1¾-inch face. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M2212—Peerless Feed Truck. Weight, 200 pounds..... **$25.00**

Peerless Steel Stall Partitions

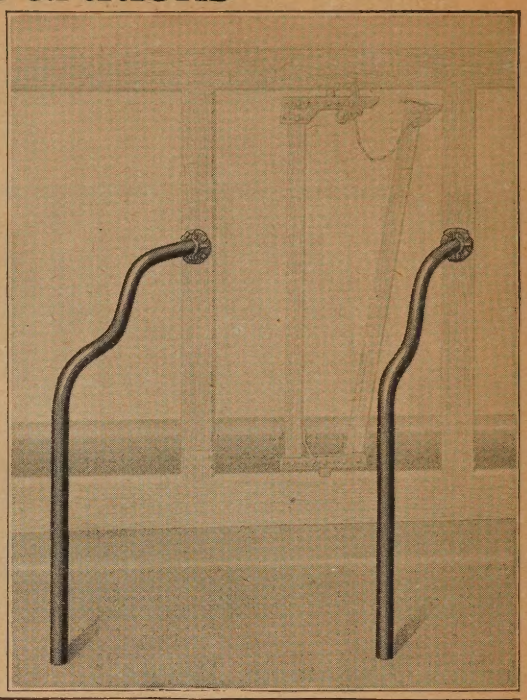
While we recommend the all steel equipment as the most desirable in every way, these bent partitions with wood frames are largely used in remodeled barns, and some builders of new barns prefer to use the wood frames. Any of our stanchions can be used with these stalls.

The partitions are 1⅝-inch outside diameter high carbon steel tubing and are fastened to the upright by a malleable clamp flange with lag screws. The lower end of partition is embedded 5 inches in the concrete floor. An anchor plate is riveted to the bottom of the partition for anchoring in the concrete. If wanted for wood floor, they are made 5 inches shorter, and a floor Flange, 32M2272, must be ordered for each partition. The wall or post flange with lag screws and bolts is included with each partition.

On page 48 you will find sketches with measurements for making the wood frames; also hook bolts and anchors for fastening the stanchions.

The partitions are finished in gray enamel.

The prices quoted do not include stanchion or woodwork and are for one partition only. **Shipped from factory in SOUTHEASTERN WISCONSIN.**



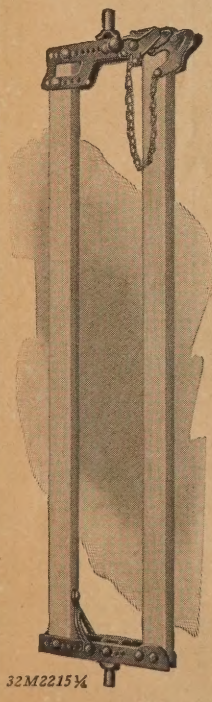
32M2270¼—Triple Bend Steel Stall Partition with flange for attaching to 4x4-inch timber. Weight, 15 pounds..... **$1.80**

32M2271¼—Triple Bend Stall Partition with flange for attaching to 2x4-inch timber. Weight, 15 pounds..... **1.80**

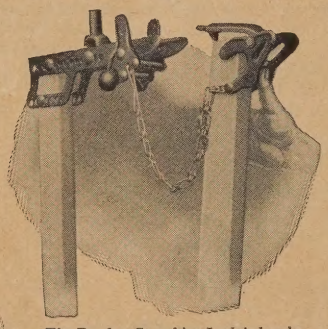
32M2272—Flange for Wood Floors. Weight, 5 pounds..... **.45**

32M2273—6-Inch Hook Bolt. Weight, 4 ounces..... **.07**

Peerless Adjustable Wood Bar Cattle Stanchions



32M2215¼



The Peerless Stanchion Lock is handy, but out of the way of the animal. A slight thumb pressure opens it. It snaps shut automatically. The tumbler lock open device prevents stanchion turning when open.

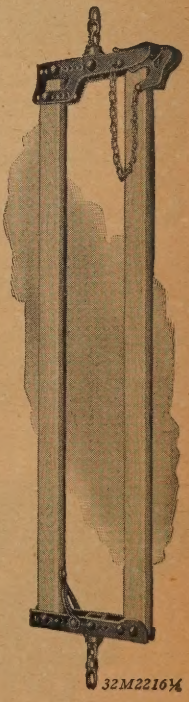
Cows confined in these stanchions will always be comfortable. Whether the animal is standing or lying down, the stanchion will respond quickly to every movement. The pivot stanchions have been most in demand, but chain stanchions are preferred by many.

The stanchions can be easily adjusted to any width of neck space, either 5, 5½, 6, 6½, 7, 7½ or 8 inches, therefore are suitable for any animal. The pivot or chain can be shifted to correspond to each adjustment so that the stanchion will always be supported in the center. The stanchions are strongly braced at top and bottom, and all castings are malleable iron.

The upper illustrations show the wood bar pivot swinging stanchion. The chain hanging wood stanchion is the same except it has the chains in place of pivots, and does not have the tumbler lock open device. This tumbler is found only in the Peerless Pivot Swinging Stanchions. The closing of stanchion automatically brings and holds the tumbler horizontally so it clears the bottom of framework and allows stanchion to swing freely, but when stanchion is opened the weighted end of tumbler drops, raising forked upper end, and stanchion is held from swinging either way. Side bars of all stanchions have forked castings to prevent turning when open.

The lock on the Peerless stanchion is simple, easily operated and absolutely sure. It cannot open accidentally and it is cowproof. Close the stanchion and the lock instantly snaps shut and fast, and when once locked the cow cannot shake or pry open stanchion. To open, the operator simply takes hold of the side bar and with slight pressure of the thumb the latch is released. It can be operated with gloved or mittened hand.

The side bars of stanchions are straight grained hardwood, 2½x1⅜ inches, edges rounded, and all smoothed and oiled. The tops and bottoms are heavy malleables. Metal parts are finished in black enamel, baked on, giving a hard, durable glossy finish. Chains are heavy steel, 6 inches long. All stanchions are 49 inches high inside, giving animal great freedom. Height from top to bottom, outside, 54 inches, not including chains or pivots. Pivots are 2½ inches long. **Shipped from factory in SOUTHEASTERN WISCONSIN.**

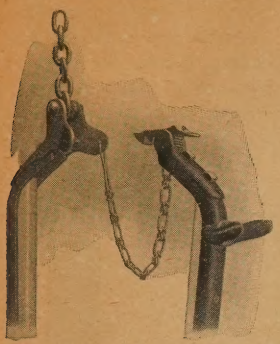


32M2216¼

32M2215¼—Peerless Adjustable Wood Stanchion, Pivot Swinging.
Weight, 17 pounds..... **$2.20**

32M2216¼—Peerless Adjustable Wood Stanchion, Chain Hanger.
Weight, 17 pounds..... **2.30**

See page 48 for sketches showing how to install these stanchions in wood frames, and for descriptions of bolts and fixtures for attaching them.

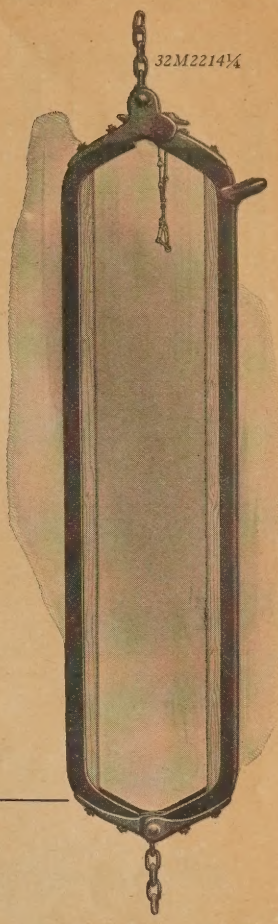


The handy lock is out of the way of all interference, yet easily accessible. The heavy malleable castings that form the top frame are adjustable for more or less neck space

Peerless Steel Stanchion

Our most popular stanchion and one of the best of its type. It is simple, strong and convenient. It is extra long, thus giving the animal considerable freedom of movement and contributing to its comfort.

The stanchions are made of heavy steel U-bars, lined with smooth rounded and oiled hardwood strips. The channel of the steel U-bars being turned inward, the wood linings are firmly supported and reinforced by the steel and are not likely to split off, as is the case where wood linings are attached to a flat surface. Hinge and top are heavy malleable castings. Latch is malleable and snaps fast when stanchion is closed. Latch is easily opened by slight thumb pressure, but cannot open accidentally. Malleable fork on drop bar engages with upright of stall and prevents stanchion turning when open. The stanchions are adjustable at top and bottom for three different widths neck space, 5½, 6½ and 7½ inches. Wider widths of neck space can be furnished on special order. Stanchions are 48 inches high inside, giving animal considerable freedom of movement. Heavy chains are 6 inches long. Metal parts are durably finished in black japan.



32M2214¼

Peerless Adjustable Width Stanchions Hold Your Cows Comfortably.

Shipped from factory in Southeastern Wisconsin.

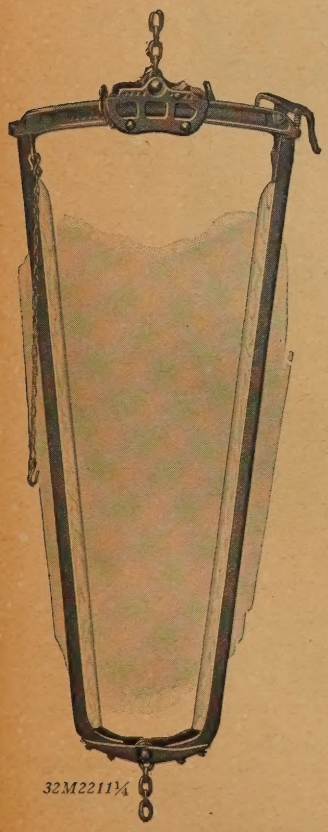
32M2214¼—Peerless Steel Stanchion. Weight, 21 lbs.....**$2.45**

32M2220¼—Bottom Anchor for fastening stanchion to concrete curb. (Suitable for any chain hanging stanchion.) Weight, 1½ lbs..**25c**

32M2221¼—Malleable Clamp with bolts for hanging stanchion to pipe frame (1⅝ inches outside diameter). Weight, 8 ounces.....**25c**

See page 48 for sketches showing how to install these stanchions in wood frames, and for descriptions of bolts and fixtures for attaching them.

Peerless Two-Way Stanchion



32M2211¼

In the Peerless Two-Way Stanchion both side bars move equally and simultaneously in or out from the center. Thus the opening in the stanchion is kept in the center of the stall, the spaces between each side of the stanchion and the stall posts are equally closed, the stanchion remains balanced and always hangs straight, and the cow always goes straight into the stanchion.

The illustration at the right shows very clearly how this is accomplished. The top consists of two curved malleable iron sliding bars, one on each side. Each bar has teeth or cogs on the inside which engage with a small cog wheel pivoted in the center between them, and all are supported by a malleable iron frame to which the supporting chain is attached.

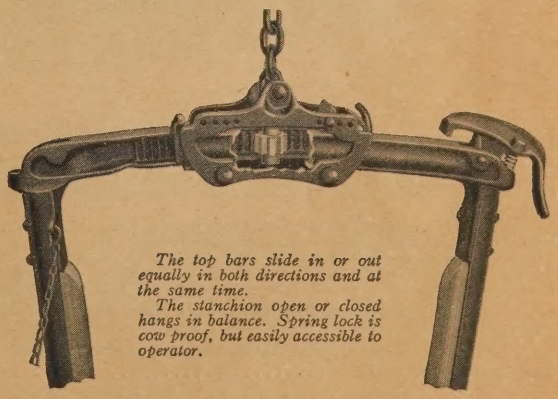
When the stanchion is closed, a spring latch locks it securely and the cow cannot in any way jar it open, or operate the latch. A slight thumb pressure releases the latch, and an easy pull on either side bar causes both top bars to slide out. To close the stanchion, a slight pressure on either side bar will cause top bars to slide together, and the latch will automatically lock the stanchion again. This construction also provides a rigid frame all around the stanchion and relieves the bottom hinge from strain.

The side bars are heavy steel U-bars, lined with smooth, rounded and oiled hardwood strips. The concave surface of the steel U-bars being turned inward, the wood strips are reinforced and will not split off. Neck space is adjustable to several different widths. The bottom hinges are heavy malleables and the top and bottom chains are extra heavy, each 6 inches long. Stanchions are 48 inches long inside. Metal parts are japanned black.

32M2211¼—Peerless Two-Way Stanchion. Weight, 27 pounds.

Shipped from factory in Southeastern Wisconsin.....**$3.45**

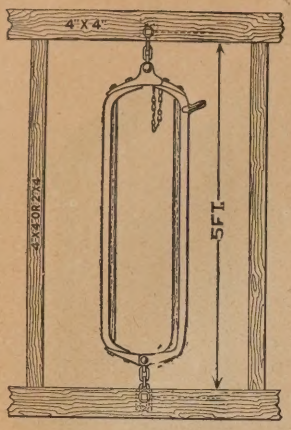
See page 48 for sketches showing how to install these stanchions in wood frames, and for descriptions of bolts and fixtures for attaching them.



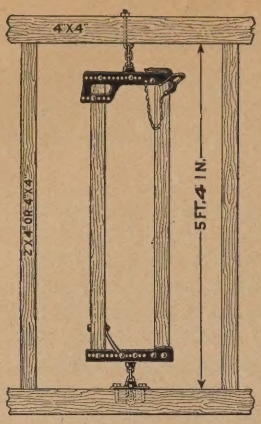
The top bars slide in or out equally in both directions and at the same time.

The stanchion open or closed hangs in balance. Spring lock is cow proof, but easily accessible to operator.

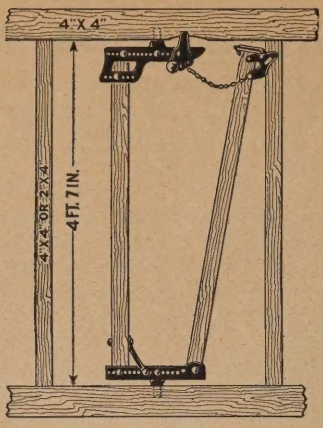
Peerless Sanitary Barn Equipment



Stanchion 32M2214¼, hung in wood frame. With an auger, bore a 7/16-inch hole through the top and bottom timbers, about 2 inches from the edge, at a right angle with the stanchion. Then bore a couple of holes perpendicularly, to make a slot to receive the stanchion chains and pass a 7/16-inch bolt through the chain link, both top and bottom. The measurements in this sketch will serve also for Stanchion 32M2211¼.



Stanchion 32M2216¼, hung in wood frame, by using Hook Bolt 32M2273 and Anchor Plate 32M2219. This method will also serve for 32M2211¼ or 32M2214¼.



Stanchion 32M2215¼ in wood frame.

Illustration shows the method of mounting our pivot hanging Stanchion 32M2215¼ in wood frame. As simple to install as boring two holes in the wood for the pivots, and because of the tumbler arrangement they cannot swing sideways when open.

32M2221¼—Malleable Clamp with bolts, for hanging stanchion to pipe frame (1⅝ inches, outside diameter). Weight, 12 oz...**25c**

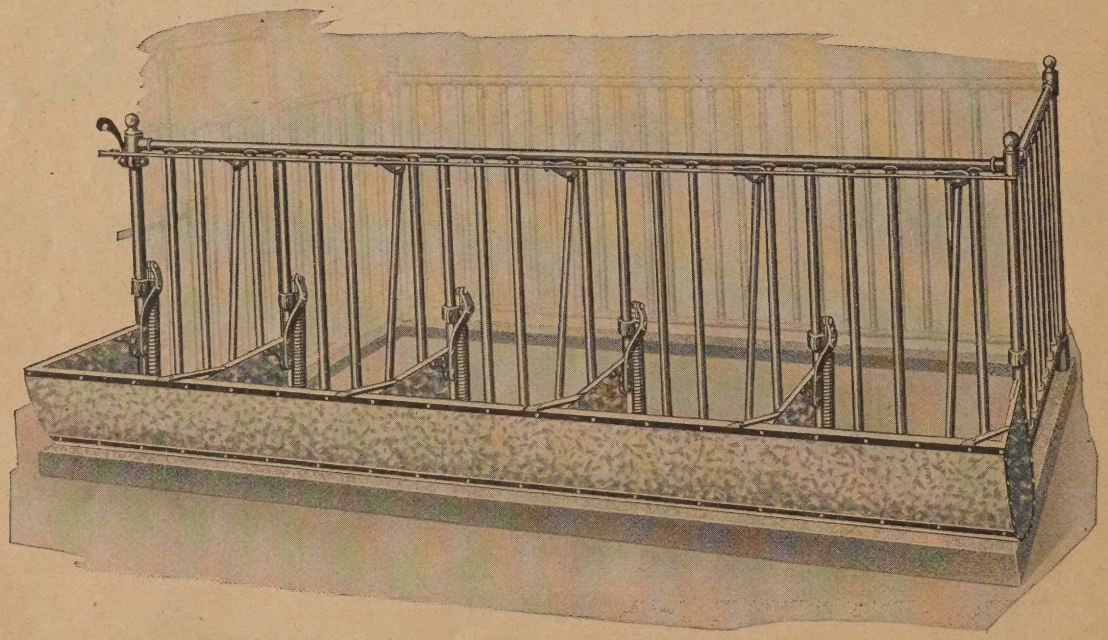
32M2220¼—Stanchion Anchor for cement curb (for chain hanging stanchions only). Weight, 1 pound.....**25c**

32M2219—Anchor Plate for fastening chain hanging stanchions to wood frame. Weight, 10 ounces.....**13c**

32M1225—Lag Screws, 7/16x2½ inches. Each.....**5c**

32M2273—7/16x6-Inch Hook Bolt. Weight, 4 ounces...**7c**

Peerless Calf Pen



These pens are made with the top and bottom rails and the corner posts of 1⅝-inch outside diameter high carbon steel tubing, with uprights of 1 5/16-inch outside diameter high carbon steel tubing, all bolted together with heavy malleable connections. The uprights are 3 feet long between the rails, and the posts are 4 feet long, thus making a pen 4 feet high above the floor or 3 feet 7 inches above the concrete curb.

The gate is strongly framed and the gate posts are extended upward and arched overhead. Gate latch is steel with malleable fittings. Hinges are also malleable. The price quoted per foot is for the plain sides only. If gate and stanchions are wanted, an extra charge of $3.60 is made for the gate, and 60 cents each for the stanchions. These charges cover the extra labor and material required.

The stanchions can be opened and closed one at a time or all together by operating a lever at the end of the row.

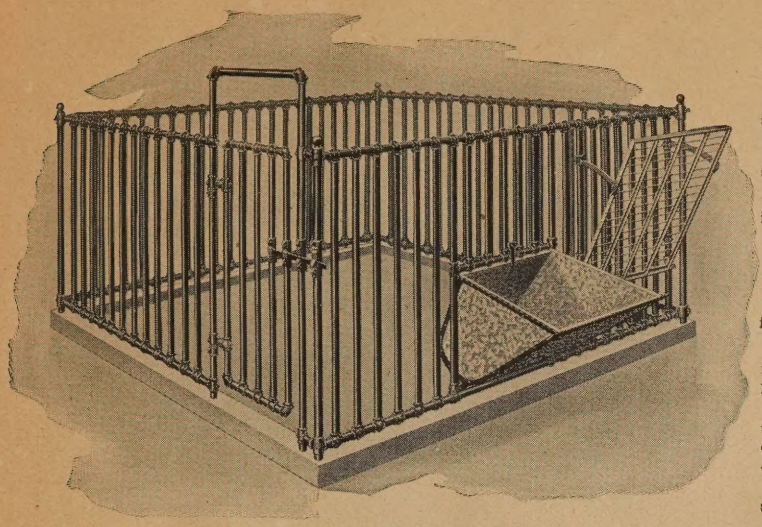
The illustration shows the pen with galvanized steel mangers, but these are furnished only at the extra price given below.

Calf pens are made to order and when ordering it is necessary that you send us a sketch showing the length and breadth of pen and number of sides required, as sometimes a wall can be utilized for one or two sides. Also show where you want the gate and the stanchions located. The number of stanchions furnished would depend on the size of the pen. The standard spacing for stanchions is 2 feet apart. Thus, a pen 8 feet long would have four stanchions.

We furnish these pens finished in durable gray enamel. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M2287—Peerless Sanitary Calf Pen, not including gate, stanchions or manger. Weight, per foot, 24 pounds.
Per foot.....**$2.40**

32M2280—Galvanized Steel Manger, complete with lifting spring. Weight, each section, 30 pounds.
Per section, for one calf.....**5.50**



Peerless Cow Pen

The corner posts, gate posts and gate frame, and the top and bottom rails are 1⅝-inch outside diameter high carbon steel tubing. The fillers are 1 5/16-inch outside diameter high carbon steel tubing. The corner fittings have tightener bolt with wedges which grip the tubing firmly and prevent the tubing from being forced out of the fitting under any heavy strain.

The fittings are heavy malleable castings. Uprights are spaced 6 inches apart from center to center. Height of the top rail above the floor is about 5 feet 10 inches. The gate is strongly formed and the gate posts are extended and arched overhead. The gate hinges and fittings are heavy malleable castings. The steel gate latch is the same as used on the bull pen, except that it is single. The price per foot for cow pen, as given below, is for the plain sides only, and an extra charge of $4.80 is made for fitting the gate.

The illustration shows the pen with a gate, a galvanized steel tilting manger and automatic hay rack, but these are furnished only at the extra prices shown with illustrations and descriptions of these items.

Cow pens are always built to order. When ordering it is necessary that you send us a sketch giving the length and breadth and the number of sides required, as sometimes a wall can be utilized for one or two sides. Also show where you want the gate and manger located.

We furnish these pens finished in durable gray enamel. Pens are shipped from factory in SOUTHEASTERN WISCONSIN.

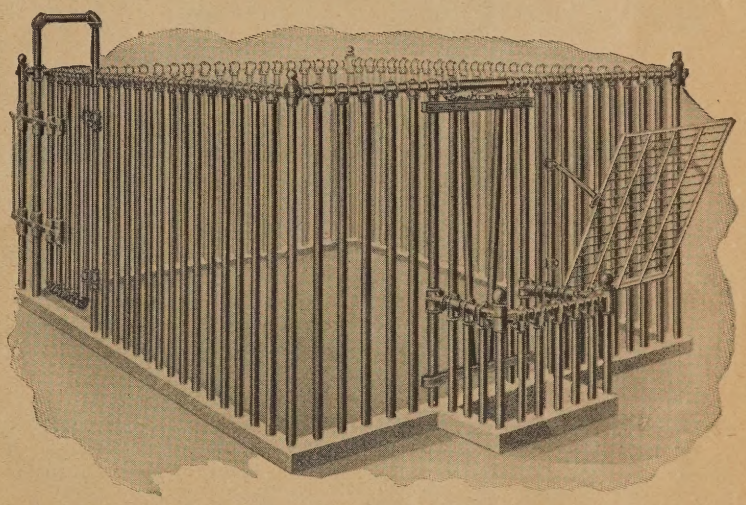
32M2286—Peerless Sanitary Cow Pen, not including gate, manger or hay rack. Weight, per foot, 30 pounds.
Per foot..... **$2.65**

Tilting Feed Manger

The manger tilts back and forth on a pivot at the bottom. A steel lock or stop prevents manger tilting entirely over, but when it is desired to clean or empty the manger the stop can be quickly released. The sides are made of 20-gauge galvanized steel; the ends are made of 18-gauge galvanized steel. The top has a strong angle steel frame and the ends are reinforced with band steel. The hinges are malleable iron. The manger measures about 34 inches long, 31 inches wide at the top and 19 inches wide at the bottom. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M2290—Tilting Feed Manger for Peerless Cow Pen. Weight, 60 pounds..... **$7.50**

Peerless Bull Pen



These pens are made entirely of 1⅝-inch outside diameter high carbon steel tubing, with heavy malleable fittings throughout. The uprights are spaced 6 inches apart from center to center and are 5 feet 10 inches long, making the height of pen approximately 5 feet 4 inches above the curb. The corner fittings have tightener bolt with wedges which grip the tubing firmly and prevent the tubing from being forced out of the fittings under any heavy strain. The gate is strongly formed. The gate posts are extended and arched overhead so the gate cannot be sprung open by heavy pressure.

The gate hinges and fittings are extra heavy malleable castings. The steel latch is double, as shown in the illustration. While easily operated, the latches are so arranged that they cannot be opened accidentally. The stanchion has a strong lock, and is adjustable for 7, 8 or 9-inch neck space.

The price quoted per foot for bull pen is for the plain sides only. An extra charge of $4.80 is made for fitting the gate and $2.50 extra for the stanchion. These charges cover the cost of the extra labor and material required.

The manger is built as determined by the location of the pen and its price is figured separately, as shown.

Bull pens are always built to order. When ordering it is necessary that you send us a sketch giving the length and breadth of pen and number of sides required, as sometimes a wall can be utilized for one or two sides. Also show where you want the gate and the stanchion and manger located. Bull pens are finished in durable gray enamel. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M2285—Peerless Sanitary Bull Pen, not including gate, stanchion, manger or hay rack. Weight, per foot, 32 pounds.
Per foot..... **$2.30**

Peerless Bull Pen Manger

As the style and location of the manger must be determined in each case by the location of the pen and its surroundings, we quote the manger separately. The illustration shows a low manger, built outside the line of the pen. This type of manger can also be built into the corner of the pen, which avoids obstruction of the feed alley and also keeps the bull's head from projecting into the alley.

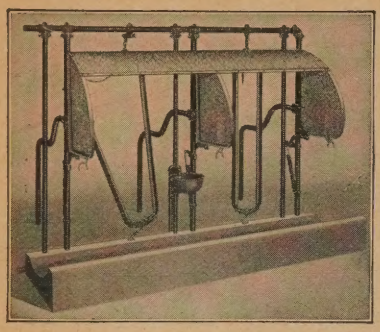
32M2300—Peerless Bull Pen Manger, as shown in above illustration..... **$9.50**
32M2301—Peerless Bull Pen Manger, built into corner of pen..... **8.00**

Automatic Hay Rack

This rack can be attached to either our bull pen or cow pen. It has an angle steel frame with steel cross rods. The heavy coil springs at the bottom exert a constant pressure and hold the rack up against the pen as the hay is consumed. Rack measures 39x42 inches. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M2284—Automatic Hay Rack. Weight, 40 pounds..... **$8.55**

Galvanized Steel Mangers for Peerless Steel Stalls

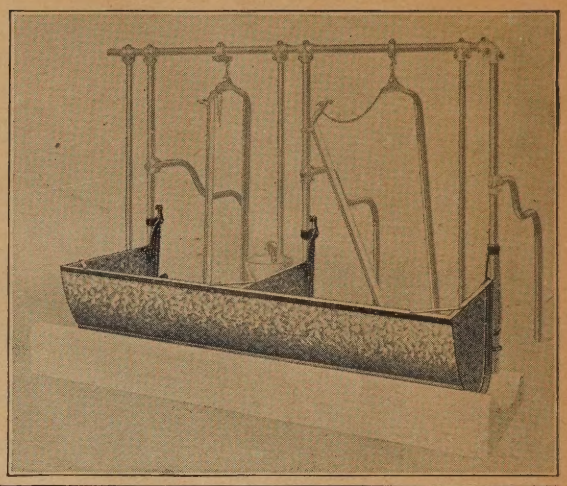


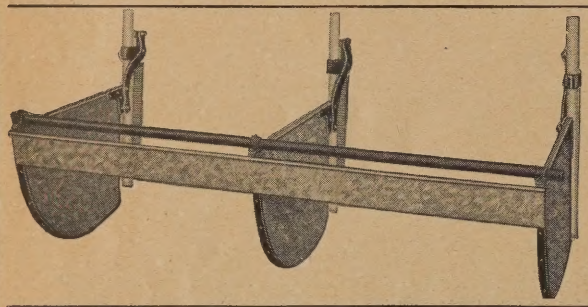
The mangers are made of 20-gauge galvanized steel, reinforced at the top by 1-inch angle steel and at the bottom by a ¼x⅞-inch steel band. The partitions furnished with complete mangers are shown in the illustration at bottom of page. A heavy coil spring is connected to the partitions in such a way that when the manger is down in the trough the spring holds it firmly in position, but when the manger is raised the spring holds it up out of the way, and the trough can then be swept out or water can be turned into it.

The illustration shows mangers attached to stalls, but the price does not include the stalls.

Mangers can be obtained in sets of two to five, according to the number of stalls in a row. Mangers measure 19 inches deep at the uprights and 28 inches wide. Length is according to widths of stall, 3 feet to 4 feet. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M2280—Galvanized Steel Manger, complete with lifting springs. Weight, per section, for one stall, 30 pounds.
Per section, for one stall.....**$5.50**





Connected Manger Partitions

These manger partitions are our regular No. 1 pattern with lifting spring as shown below, but are connected with a horizontal length of 1⅝-inch outside diameter steel tubing, and reinforced in front with a strip of galvanized steel 5 inches wide. They are furnished in sets of two or more, according to number of stalls in row. Can be used with any of our stalls. Weight, per section, 25 pounds.

32M2289—Connected Manger Partition.
Per section, for one stall.....**$4.50**

Mangers and Manger Partitions

Specially Arranged With Water Bowls

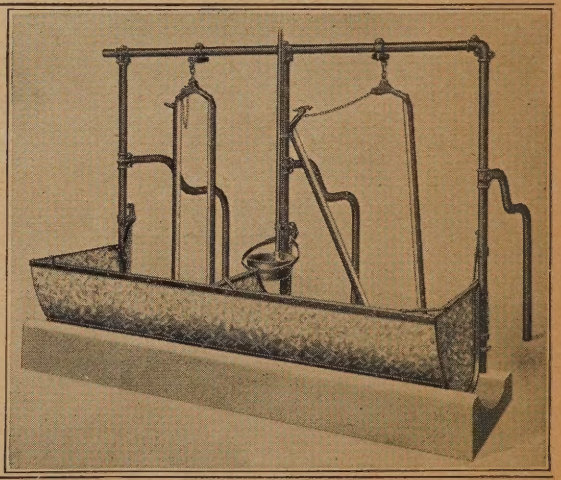
When Model A Stalls are equipped with both water bowls and mangers, or manger partitions, a bowl for each cow, the water bowls are usually attached to one stall post and the manger partitions to the other stall post, and our regular manger partitions as shown below can be used.

Models C or D stalls having but a single stall post, a special arrangement is necessary so that the manger partition will clear the water bowl when the partition is raised. Shipped from factory in SOUTHEASTERN WISCONSIN.

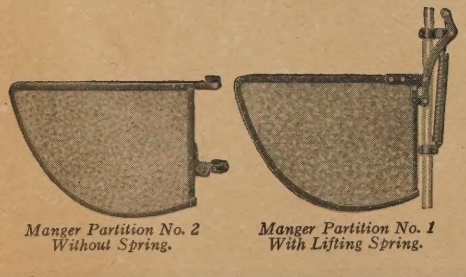
32M2276—No. 3 Manger Partition only, with lifting springs. For use in connection with water bowls on any of our single post stalls. Weight, each, 15 pounds.....**$4.00**

32M2278—Complete Galvanized Steel Manger with No. 3 Manger Partitions. For use in connection with water bowls on any of our single post stalls. Weight, per stall section, 35 pounds.
Per stall section.....**$6.30**

Prices of above do not include water bowls or stalls.



Galvanized Steel Manger Partitions



Manger Partition No. 2 Without Spring. *Manger Partition No. 1 With Lifting Spring.*

If the complete galvanized steel manger is not desired, we can furnish the manger partitions or divisions only, with or without lifting spring.

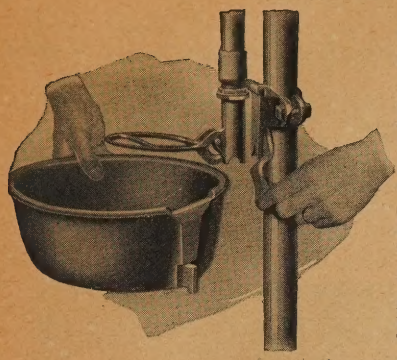
The manger partition without lifting spring is attached to the stall post by a malleable hinge at the bottom, and when down in the trough is held rigid by the U shape hook which rests against the stall post.

Manger partitions are made of 20-gauge galvanized steel, reinforced all around with ¼x⅞-inch band steel. They are 19 inches high and 28 inches wide at the top. Shipped from the factory in SOUTHEASTERN WISCONSIN.

32M2281—Galvanized Steel Manger Partition No. 1, complete with lifting spring. Weight, 15 pounds.....**$3.15**

32M2282—Galvanized Steel Manger Partition No. 2, without lifting spring. Weight, 13 pounds.....**$2.45**

Peerless Quick Detachable Water Bowls



Peerless Quick Detachable Bowls are automatic in action, and require no attention except occasional cleaning.

They are easily installed. Just provide a storage tank above the bowls, the higher the tank sets the more pressure you get.

Tank can be filled by windmill, engine or by hand pumping.

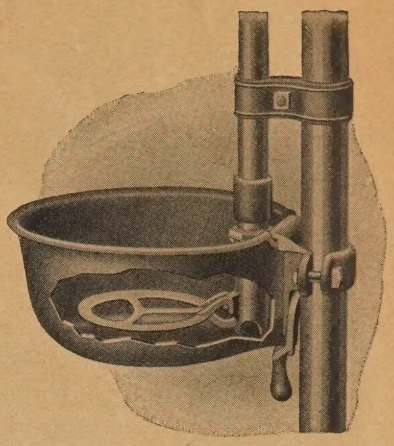
The valve consists of a rubber Fuller ball, closing against a brass valve seat, and is held to its seat by a brass spring. The valve is opened by the cow, which, when drinking, presses her nose down against the valve lever which has a concave surface. The bottom of the valve is close to the bottom of the bowl, which avoids splashing. When the cow has finished drinking the valve closes automatically and no more water can enter the bowl.

The water can be piped from either above or below the bowl. Pipe and fittings are not included in price of bowl. The clamp for supporting the supply pipe to single uprights, as shown in the illustrations, is included, also the clamp with lever for attaching the bowl to the stall post.

For double post stalls, such as our Model A Stall, Clamp 32M2293¼, listed below, is needed.

Peerless bowls can be quickly detached for cleaning merely by moving the small lever. When the bowl is in place the lever drops into position and locks the bowl securely in place. It cannot drop out nor can the cow dislodge it.

Peerless Quick Detachable Bowls are made of malleable iron, hence are practically unbreakable. The bowls are 10x10 inches and 4¼ inches deep, with rolled edges to prevent injury to the cow's mouth.



		Shipped from Factory in Southeastern Wisconsin	Shipped from Philadelphia Store
32M2242¼—Water Bowl for steel stalls.	Weight, 12 pounds	**$2.45**	**$2.60**
32M2243¼—Water Bowl for wood stalls.	Weight, 12 pounds	**2.45**	**2.60**
32M2293¼—Clamp for double post stalls.	Weight, 2 pounds	**.50**	**.50**

Plan for Underfeed

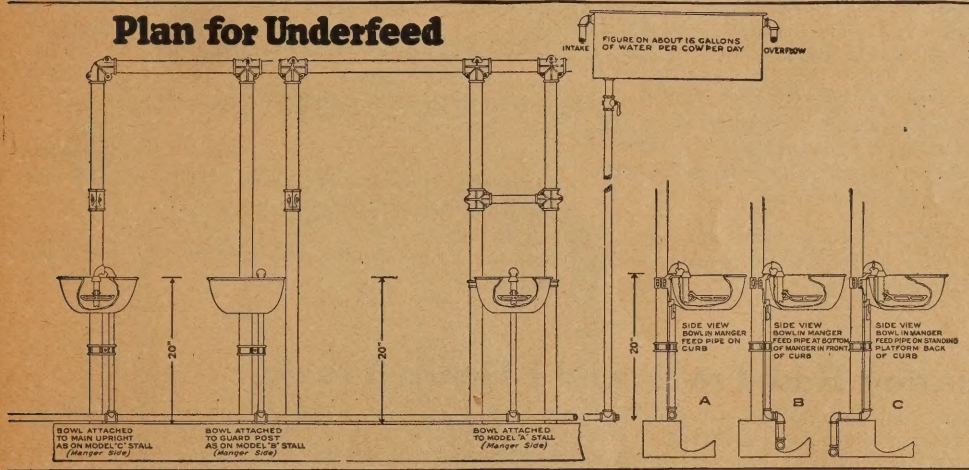


FIGURE ON ABOUT 16 GALLONS OF WATER PER COW PER DAY
INTAKE
OVERFLOW
20"
SIDE VIEW BOWL IN MANGER FEED PIPE ON CURB
SIDE VIEW BOWL IN MANGER FEED PIPE AT BOTTOM OF MANGER IN FRONT OF CURB
SIDE VIEW BOWL IN MANGER FEED PIPE ON STANDING PLATFORM BACK OF CURB
A
B
C
BOWL ATTACHED TO MAIN UPRIGHT AS ON MODEL 'C' STALL (Manger Side)
BOWL ATTACHED TO GUARD POST AS ON MODEL 'B' STALL (Manger Side)
BOWL ATTACHED TO MODEL 'A' STALL (Manger Side)

Use 1-inch diameter line pipe, cut to same lengths as width of stalls, less 1¼ inches allowance for the tee fittings.

(A) For the bowl on manger side with the feed pipe on manger side of curb you need for each stall:
- One 1-inch tee with ¾-inch outlet, or a 1-inch tee with a 1x¾-inch bushing.
- Two ¾-inch street elbows.
- One piece ¾-inch pipe, 18 inches long, threaded.

(B) For the bowl on manger side of stall with feed pipe in bottom of manger you need for each stall in addition to list "A":
- Two ¾-inch elbows.
- One ¾x4-inch nipple.
- One ¾x1½-inch nipple.

(C) If feed pipe is placed back of the curb on the standing platform you need for each stall in addition to list "A":
- Two ¾-inch elbows.
- One ¾x5-inch nipple.
- One ¾x4-inch nipple.

For each Model A Stall you need also for each bowl one Clamp 32M2293¼, at 50 cents each. This clamp straddles the two stall posts and places the bowl between them. This clamp is necessary with all Model A Stalls, whether overhead or underfeed piping is used.

Plan for Overhead Feed

Use 1-inch diameter line pipe, cut to same length as width of stalls, less 1¼ inches allowance for the tee fittings.

For the bowl on manger side with feed pipe in front of stall, you need for each stall:
- One 1-inch tee with ¾-inch outlet, or a 1-inch tee with a 1x¾-inch bushing.
- One piece ¾-inch pipe, 42 inches long, threaded both ends.

If the feed pipe is placed back of the top rail of stall you need for each stall:
- One 1-inch tee with ¾-inch outlet, or a 1-inch tee with a 1x¾-inch bushing.
- One piece ¾-inch pipe, 36 inches long, threaded.
- Two ¾x4-inch nipples, and two ¾-inch elbows.

In addition to this you will need enough 1-inch pipe to connect to the tank, also a 1-inch tee and a 1-inch plug to be placed so that the supply pipe can be drained. A 1-inch stop cock should also be placed on the supply pipe just below the tank.

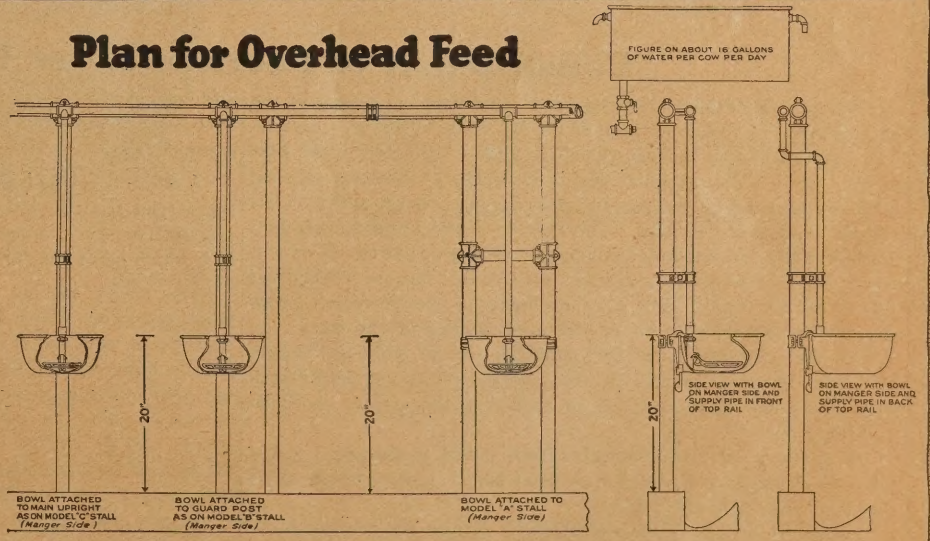


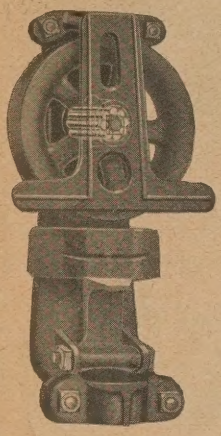
FIGURE ON ABOUT 16 GALLONS OF WATER PER COW PER DAY
20"
20"
20"
SIDE VIEW WITH BOWL ON MANGER SIDE AND SUPPLY PIPE IN FRONT OF TOP RAIL
SIDE VIEW WITH BOWL ON MANGER SIDE AND SUPPLY PIPE IN BACK OF TOP RAIL
BOWL ATTACHED TO MAIN UPRIGHT AS ON MODEL 'C' STALL (Manger Side)
BOWL ATTACHED TO GUARD POST AS ON MODEL 'B' STALL (Manger Side)
BOWL ATTACHED TO MODEL 'A' STALL (Manger Side)

Peerless Litter Carriers

We make several different sizes and styles of carriers, so that we can fill almost any requirements a barn owner may impose, or meet any difficult conditions of installation.

While varying in size, style and mechanical detail, there is absolutely no variation in quality, of which a high standard is always maintained. Every carrier and every attachment is carefully made by experts and only the best quality of suitable material is used. The designs are simple and the construction is strong. All parts are carefully fitted and thoroughly finished.

Everything possible is done so that everyone whose barn is equipped with Peerless fixtures will derive perfect and lasting satisfaction from them. It would hardly be possible for anyone to be better satisfied than the thousands of barn owners who have already installed Peerless equipment.



Heavy Malleable Swivel Hanger and Track Wheel With Roller Bearings Used on Peerless Carriers.

Three Different Track Systems

Peerless Carriers can be operated on flexible rod track, I-beam track or on a combination of both. The rod track system is the cheapest, the easiest to install, and is satisfactory where the work is not heavy and where the barn layout does not complicate the track system, but we can furnish curves and other devices by which it is possible to install successful rod track systems under various conditions.

The chief advantage of the rod track is that it is possible to load the carrier and, standing at the door of the barn, by giving the loaded carrier a vigorous push it will run out to the post, dump itself, and automatically return to the barn for reloading.

The I-beam track is stronger and will carry the heaviest loads without sagging, which is an advantage in barns with low ceilings.

In barns of irregular construction it is not always possible to reach all desired points with the rod track, because where the turns, curves and switches are numerous, the rod track system becomes too complicated for convenient operation. Sometimes there are doorways, passageways or pillars inside which would be in the way of a rod track. The I-beam track is easily adapted to meet such obstacles. In fact, entirely successful and convenient I-beam track outfits can often be planned where it would be impossible to install a rod track system.

When the manure is dumped directly into spreader or wagon the I-beam track can be extended straight out just far enough to drive under with the spreader, or it can be curved around and run parallel with end of barn for 10 or 12 feet, as shown in illustration on page 60.

Combination Rod Track and I-Beam Track

Combination rod track and I-beam track outfits are very popular; using the I-beam track inside, with necessary curves and switches to reach all parts of barn, and the rod track leading from door out to post in yard. Such an arrangement gives all the advantages of both kinds of track and retains the important automatic self return feature of rod track where the manure is dumped out in the yard.

Construction of Peerless Litter Carriers

We claim a decided advantage particularly in the design of the arrangement of wheels and running gear of the Peerless Carriers. The heavy malleable swivels which carry the wheels permit the gear to align itself to any irregularities in the track, to offset the swaying of the bucket, and to turn corners and pass over curves and switches without binding or pinching. The Peerless Carrier will run straight ahead steadily and smoothly, without the jerking or uneven movement which is bound to occur in carriers with double flanged wheels that run on flanged track. The easy movement of the Peerless Carrier lessens the possibility of the carrier ever running off the track.

We use extra heavy steel and malleable iron in building Peerless Carriers. Being very simple and free from complications, the strength and weight are distributed so as to insure the greatest possible durability.

All castings are tough malleable iron, and all metal parts, except tub and chains, are finished with oven baked japan, which gives thorough protection against rust.

Peerless Carriers, while exceptionally strong and heavily built, are not unwieldy, but so easily handled that a boy can operate them.

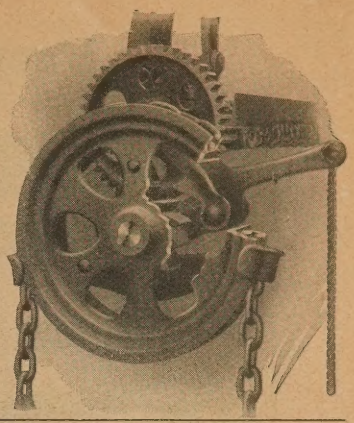
The smooth and easy running qualities of Peerless Carriers are due to the perfection of the running gear. Large diameter wheels with grooves shaped to fit the track, steel axles, steel roller bearings, and heavy swivel hangers hold the carrier to the track and contribute such smoothness and ease of movement that an easy push will send a heavily loaded carrier many feet on a solid rail track.

A movable spring track guard on the swivel wheel hanger prevents the carrier from jumping the track, but permits it to pass curves, switches or track hangers automatically. Carriers have a wheel lock which holds the carrier in place when loading.

The bucket locking and tripping device is simple, automatic, quick and sure. When the automatic roller tripper strikes the trip, the locks at each end of the bucket are immediately released, and the load is dumped instantly. It can be dumped either way, one side or the other, which is an advantage when dumping directly into spreader or wagon. The trip can be set at any point on the track and the carrier can be worked in either direction from the trip. To reset the lock, it is only necessary to swing the bucket upright, when the lock instantly springs back into place.

With our Peerless Carriers it is not necessary to take hold of the bucket with one hand and operate the lock with the other, which is inconvenient and disagreeable. It is not even necessary to touch a Peerless bucket with the hands, as it can be relocked by using a manure fork for swinging the bucket upright.

The Peerless Automatic Hoist, Clutch and Brake



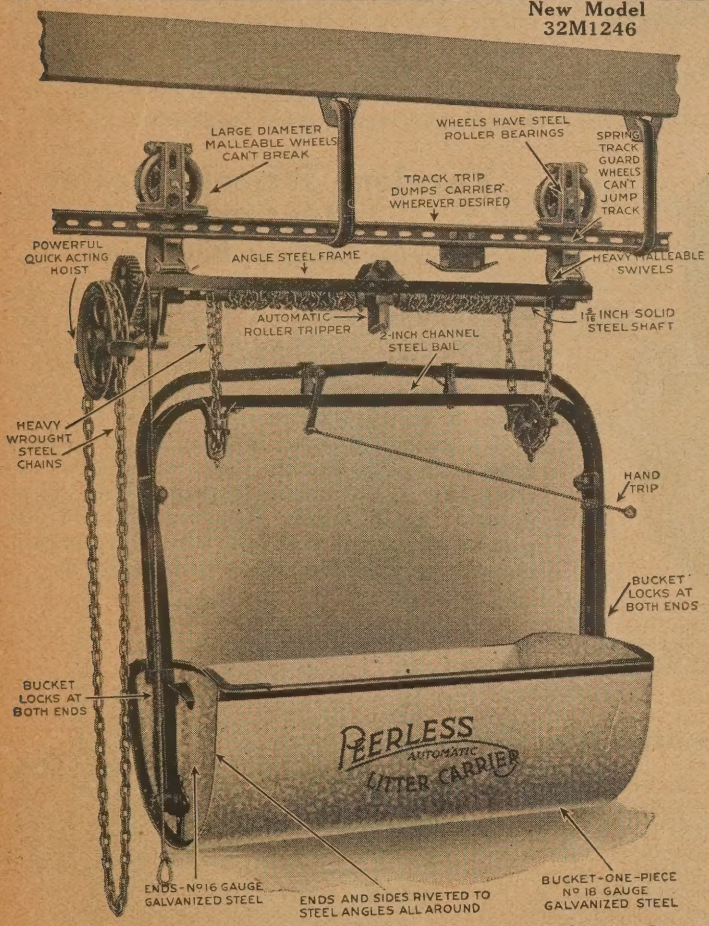
In this view of the Peerless hoisting mechanism the large hoisting wheel is cut away to show the action of the clutch and brake. The clutch is a part of the large wheel, but the brake lever is pivoted on a bracket separate from the wheel.

When the combined clutch and brake lever is in normal position it is held in gear with the teeth of the clutch by a strong spring. Thus the clutch cannot slip, nor can the bucket be lowered accidentally.

A slight pull on the cord attached to the clutch lever releases the clutch, and the bucket immediately lowers of its own weight; a stronger pull brings the brake into action against the inner flange rim of the large wheel, instantly checking and stopping the bucket. Release the cord, and the clutch is immediately engaged again and the bucket is held at any desired height.

This device never fails to work. The parts are all strong and heavy. It is durable and does not get out of order. It cannot slip nor drop the carrier accidentally. It is one of the best of the many good features of the Peerless Carrier.

New Model
32M1246


LARGE DIAMETER MALLEABLE WHEELS CAN'T BREAK
WHEELS HAVE STEEL ROLLER BEARINGS
SPRING TRACK GUARD WHEELS CAN'T JUMP TRACK
TRACK TRIP DUMPS CARRIER WHEREVER DESIRED
POWERFUL QUICK ACTING HOIST
ANGLE STEEL FRAME
HEAVY MALLEABLE SWIVELS
AUTOMATIC ROLLER TRIPPER
2-INCH CHANNEL STEEL RAIL
1 5/16 INCH SOLID STEEL SHAFT
HEAVY WROUGHT STEEL CHAINS
HAND TRIP
BUCKET LOCKS AT BOTH ENDS
BUCKET LOCKS AT BOTH ENDS
PEERLESS AUTOMATIC LITTER CARRIER
ENDS-No16 GAUGE GALVANIZED STEEL
ENDS AND SIDES RIVETED TO STEEL ANGLES ALL AROUND
BUCKET-ONE-PIECE No 18 GAUGE GALVANIZED STEEL

Peerless Litter Carrier With All Steel Bucket and Automatic Lift

New Model.

This is our most popular carrier and is suitable for any but the largest barns. The quick acting, powerful hoist easily raises any load. Pull the small trip cord shown in the illustration at the left and the bucket will run down itself. By pulling the cord again the load is instantly stopped, held and locked at any point. The length of chain furnished permits the lowering of the bucket 5 feet, so that the distance from the track to the bottom of bucket, with the chain all paid out, would be about 8 feet 6 inches. The bucket, of course, can be loaded at any desired position simply by hoisting or lowering to the desired height.

This carrier will work on either our steel rod track or our steel rail track. When used on the steel rod track it has the very desirable self return feature. Push the loaded carrier to the door, give it a shove and it will run out to the trip, dump its load and return automatically to the barn for reloading.

When this carrier is used with steel rod track, we recommend the heavier No. 000000 track, as it will sustain the load better than the lighter No. 0000 track.

A combination of rail and rod track, the rail track inside the barn and the rod track outside running to the dumping place, will generally prove most convenient and successful.

Peerless Litter Carriers are shipped direct from the factory in SOUTHEASTERN WISCONSIN. The price is for the carrier only, with one trip. Steel rod track and attachments are described on page 57, rail track and attachments on pages 58 to 60. Complete straightaway rod track outfits are shown on page 61.

32M1246—Peerless Litter Carrier with all steel bucket and automatic lift.
Weight, 215 pounds..... **$34.75**

Specifications

Compare these specifications with those of any other high grade carrier.

BUCKET—Length, 42 inches; width, 24 inches; depth, 16 inches. Body is one-piece 18-gauge galvanized steel; ends are 16-gauge extra heavy galvanized steel. Sides riveted full length to 1-inch angle steel. Ends riveted all around to ¾-inch angle steel frame.

BAIL—Heavy steel channel, 2x1x1 3/16 inches. Adjustable for height.

HOIST—Powerful, quick acting geared hoist. The heaviest load can be easily raised by a boy. Heavy wrought steel chains. Solid steel winding shaft, 1¼ inches in diameter, rigidly supported at both ends. Links of hand chain die formed to make it run true on teeth of hoisting wheel. Chain guides prevent hand chain running off wheel. Hoist mechanism and running gear all carried on rigid frame of 1-inch angle steel.

CLUTCH AND BRAKE—Perfect control at all times. Heavy ratchet holds every inch hoisted. A slight pull of cord attached to brake lever releases clutch, and bucket immediately lowers by its own weight. A stronger pull on cord and the brake engages with flange of hoisting wheel and checks descent of bucket. Release the cord, and bucket is locked at any desired height.

BUCKET LOCK—Locks and unlocks at both ends simultaneously. Positively cannot dump accidentally, but instantly unlatches when carrier reaches the trip. Latches automatically by swinging bucket into upright position. The Automatic Roller Tripper, when it comes in contact with the track trip, presses down on the lock levers and disengages the lock at each end of bucket. The action is automatic and positive. Bucket is hung a trifle off center and is sure to dump as soon as lock is disengaged. Extra hand trip rod provides means for dumping directly into spreader box.

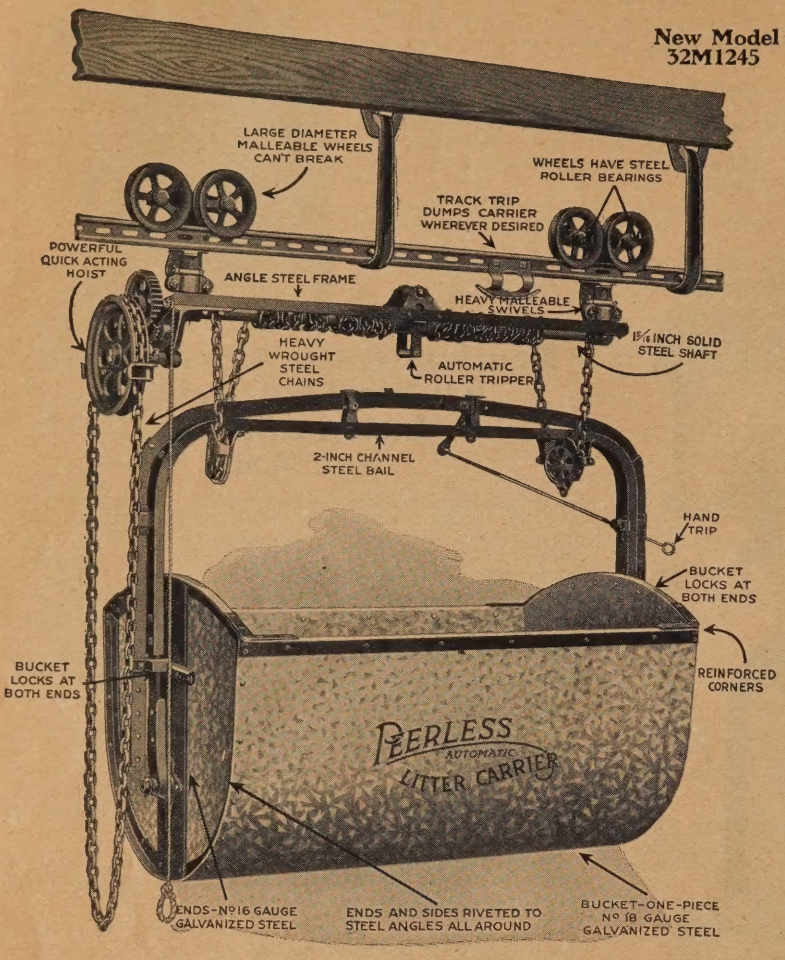
TRACK WHEELS—Malleable and of large diameter, with steel roller bearings. Wheels, 7 inches or 5 inches in diameter, depending on length of track hangers used. Wheels are carried on heavy malleable swivels. When used on rod track or on rail track with long hangers, the 7-inch wheels and swivels shown on page 52 are furnished.

When used on rail track with the short 9-inch Hangers 32M1216, 5-inch wheels should be specified in the order for this carrier. Spring track guard prevents carrier jumping track, yet permits passing of switches and track hangers automatically.

MALLEABLE CASTINGS THROUGHOUT—No fear of breakages.

Peerless Mammoth Litter Carrier

New Model
32M1245


LARGE DIAMETER MALLEABLE WHEELS CAN'T BREAK
WHEELS HAVE STEEL ROLLER BEARINGS
TRACK TRIP DUMPS CARRIER WHEREVER DESIRED
POWERFUL QUICK ACTING HOIST
ANGLE STEEL FRAME
HEAVY MALLEABLE SWIVELS
1⅝ INCH SOLID STEEL SHAFT
HEAVY WROUGHT STEEL CHAINS
AUTOMATIC ROLLER TRIPPER
2-INCH CHANNEL STEEL BAIL
HAND TRIP
BUCKET LOCKS AT BOTH ENDS
REINFORCED CORNERS
BUCKET LOCKS AT BOTH ENDS
PEERLESS AUTOMATIC LITTER CARRIER
ENDS-No 16 GAUGE GALVANIZED STEEL
ENDS AND SIDES RIVETED TO STEEL ANGLES ALL AROUND
BUCKET-ONE-PIECE No 18 GAUGE GALVANIZED STEEL

Quick Lift, Self Lowering

Bucket Extra Large and Extra Strong.

We recommend this carrier for large dairy barns and horse barns. It will give better satisfaction than a smaller carrier in such cases, because of its extra large capacity and extra heavy construction. It will handle the heaviest loads with ease. The tandem track wheels have a long wheel base, and hold the carrier steady on the track and prevent undue swaying. The carrier will run easily and steadily without jerking, and a quick push will send the loaded carrier a considerable distance, even on the solid rail track.

Tandem Wheels, Roller Bearings

Bucket Locks at Both Ends.

On account of its weight and large capacity the Peerless Mammoth Carrier is recommended for use only on our rail track. The best arrangement with this heavy carrier, if it is desired to run the carrier outside of the barn, is to use all rail track inside the barn and a swinging boom outside, or to build a frame support outside and extend the rail track out to the point where it is desired to dump. **Rail track hangers should be placed 2 feet or 3 feet apart for this carrier, according to the spacing of the joists.**

Specifications of Peerless Mammoth Litter Carriers

BUCKET—Length, 48 inches; width, 30 inches; depth, 26 inches. Body is one-piece 18-gauge galvanized steel; ends 16-gauge extra heavy galvanized steel. Ends reinforced with a heavy steel plate to which supporting pivots are riveted. Sides reinforced with 1½-inch steel angles, ends with ⅞-inch steel angles all around.

BAIL—Heavy channel steel, 2x1x1 3/16 inches, adjustable for height.

AUTOMATIC HOIST, CLUTCH AND BRAKE—Same as shown on page 53.

BUCKET LOCK—Bucket locks at both ends. When automatic roller tripper comes in contact with trip attached to track it presses down the lock levers and both ends unlock simultaneously. Locks are held open long enough to make dumping of bucket certain, but as soon as carrier passes the trip the levers spring back into locking position. Positively cannot dump accidentally, but instantly unlatches when carrier reaches the trip. Latches automatically by swinging bucket into upright position.

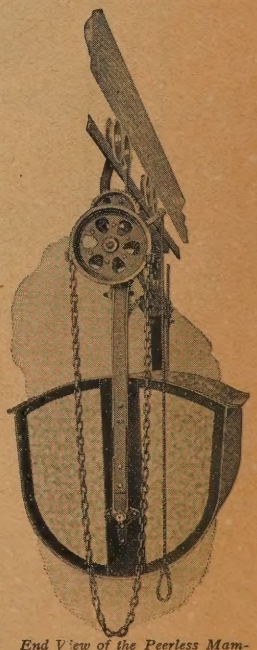
RUNNING GEAR—Four track wheels, 5½ inches in diameter, heavy pattern, made of malleable iron to prevent breakage. Wheels set tandem, with steel roller bearings and pivoted on heavy malleable swivels. They readily follow track over curves and switches and carrier moves smoothly without jerking or wheel flanges catching on track. Movable spring track guard prevents carrier jumping off track when passing curves or switches.

MALLEABLE CASTINGS THROUGHOUT—No fear of breakages.

Price is for the carrier only and does not include any track or track attachments.

For track, track hangers and switches for use with this carrier see pages 57 to 60.

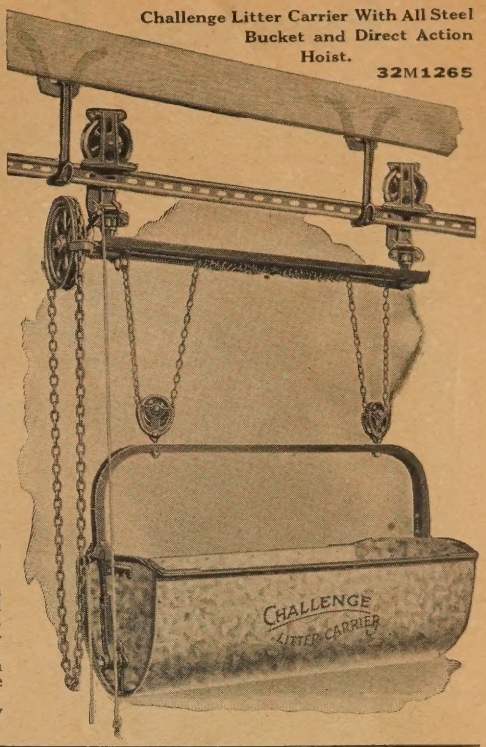
Shipped direct from factory in SOUTHEASTERN WISCONSIN.



End View of the Peerless Mammoth Litter Carrier, Showing the Reinforced Bucket End and the Angle Steel Frame Around Which the Entire Bucket Is Built.

32M1245—Peerless Mammoth Litter Carrier. Weight, 280 pounds.
Including one trip..... **$42.75**

Our Challenge Litter Carrier



Challenge Litter Carrier With All Steel Bucket and Direct Action Hoist.
32M1265

This carrier differs from our other models in the mechanical details for raising and lowering. So far as quality of material and workmanship is concerned, it is built right up to the high Peerless standard. It is not a cheaply built second quality carrier in any respect and we do not offer it as such.

But it is very simple in construction and we can therefore offer it at an exceptionally low price for a first class carrier.

It will satisfactorily serve every purpose in the majority of barns. Compare the design and specifications of the Challenge with other carriers of about the same weight and the merits of the Challenge will be apparent.

The Challenge will run on either our rail track or rod track, but as it does not have an automatic tripping or dumping device, as found in our other carriers, it is not suitable for rod track outfits where the rod track extends any considerable distance out in the yard. It must be tripped by hand, therefore is recommended in all cases where the manure is dumped in spreader or wagon, or a manure pit or pile near the barn.

32M1265—Challenge Litter Carrier, with direct acting hoist and hand trip. Weight, 165 pounds..... **$28.50**

Specifications of the Challenge Litter Carrier

BUCKET—Length, 42 inches; width, 24 inches; depth, 16 inches. Body is one piece No. 20-gauge galvanized steel. Ends, No. 20-gauge galvanized steel. Sides of bucket riveted full length to 1-inch steel angles. Ends riveted all around to ¾-inch angle steel frame.

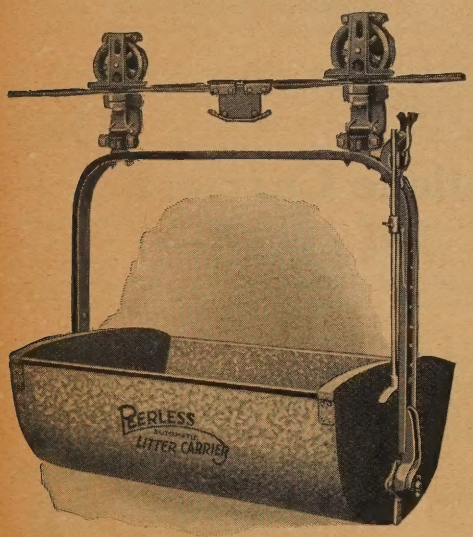
BAIL—Heavy steel channel, 2x1x1 3/16 inches.

HOIST—Direct acting. Heavy steel chains. Solid steel winding shaft, 1 inch in diameter, rigidly supported at both ends. Links of hand chain die formed to run true on teeth of hoisting wheel. Chain guides prevent chain running off wheel. Hoist and winding shaft all carried on rigid angle steel frame.

BUCKET LOCK—Hand operated by cord attached to lock.

TRACK WHEELS—Malleable iron, 5 inches in diameter, with steel roller bearings. Wheels are carried on heavy malleable swivels.

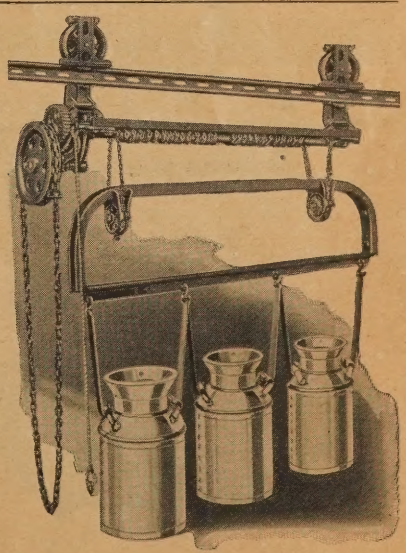
Malleable castings throughout. All probability of breakage eliminated.



Peerless Litter Carrier Without Automatic Lift

We recommend this style of carrier especially for use with rod track and in barns with low ceilings or doorways where there might not be sufficient head room for a carrier with automatic lift. The bucket is 42 inches long, 24 inches wide and 16 inches deep, and is made in two styles, one with wooden ends and 18-gauge galvanized steel body, and the other of all galvanized steel with 18-gauge steel body and heavy 16-gauge steel ends.

Peerless Litter Carriers are shipped direct from the factory in SOUTHEASTERN WISCONSIN. The price is for the carrier only, with one trip. Steel rod track and attachments are described on page 57; I-beam track and attachments on pages 58 to 60. Complete straightaway rod track outfits are shown on page 57.



32M1278—Peerless Litter Carrier with wood end bucket, without automatic lift. Weight, 135 pounds. **$18.75**

32M1273—Peerless Litter Carrier with all steel bucket, without automatic lift. Weight, 125 pounds **$21.40**

32M1270—Extra Trip.... **.50**

Peerless Milk Can Carrier

The running gear, frame, hoisting mechanism and upper part of the bail of this carrier are the same as used in our Automatic Lift Peerless Litter Carrier on page 53. The extra strong and rigid construction of this carrier, with its very easy running qualities, makes it particularly adapted for the purpose. The carrier starts easily and runs smoothly, avoiding swaying of cans or splashing. We recommend that this carrier be used only on solid rail track.

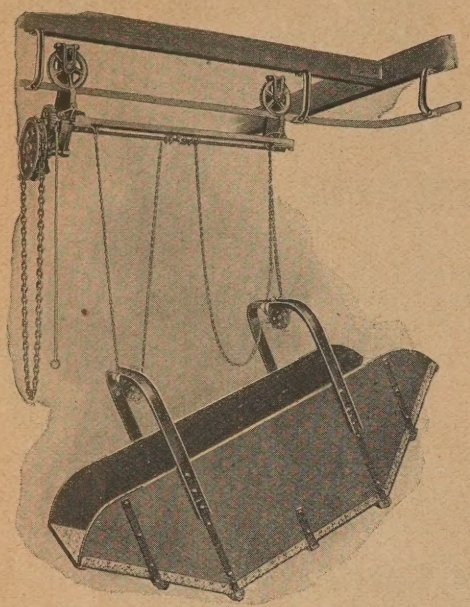
There are three pairs of hooks, 15 inches long, attached by links to a heavy T steel frame. One can or more may be used. There is room between top of can and frame to use a strainer. The cans may be lowered close to floor, or to any point desired, and need not be detached from the time they are taken empty from the milk house until they are returned full. The use of this carrier not only effects a saving in labor, but insures clean cans and milk. Price does not include milk cans. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M1266—Peerless Milk Can Carrier. Weight, 120 lbs. **$19.00**

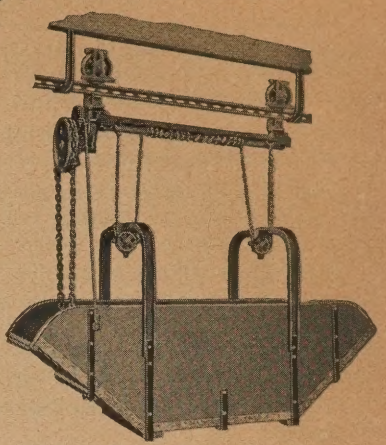
Peerless Feed and Ensilage Carrier

A Peerless Feed Carrier will save a lot of time and hard work. No walking back and forth to silo or feed room with a basket or barrow; no heavy loads to carry. The box of the Peerless Feed Carrier is of large capacity and holds enough feed for twenty cows. One or two rows can be fed at a time, and one or two men can work at the carrier. The feed is kept cleaner, too. The box is watertight and there is no dripping or waste from wet feed.

A feed carrier can be installed and operated independently, or the feed carrier tracks can be connected to the litter carrier tracks and extended through the feeding alleys. When ensilage is fed, the track can be run direct from the silo to the feeding alleys. The hoisting mechanism and running gear of the Peerless Feed Carrier are the same as used in our Litter Carrier 32M1246, described and illustrated on page 53.



The Box Can Be Tilted for Greater Convenience in Scooping Out the Feed.



Feed Carrier With the Box Lowered for Loading.

The two bails are of heavy steel channel, one at each end of the box. Each bail is bolted at its bottom to a steel brace which extends under the bottom of the box. The box is 68½ inches long at the top and 31½ inches long at the bottom, with both ends made sloping for convenience in scooping out the feed. It is 25 inches wide, 23½ inches deep, and has a capacity of about 10 bushels. The sides are made of clear hardwood lumber and the box is well painted with red oil paint. The bottom and ends are of one piece of heavy galvanized steel. The entire box is strongly braced, as shown in the illustrations. Five wooden cross braces support the bottom and protect it from injury. These wooden cross braces are reinforced by heavy steel straps which extend up the sides of the box.

The illustration at the right shows the Peerless Feed Carrier with box lowered for loading. When filled, no matter how heavy the load, it can be easily raised by a small boy, as the lift is very powerful. The illustration at the left shows the carrier with one end tipped for convenience in scooping out the feed. This tipping is accomplished by a tilting hook which is attached to a stationary chain. When this hook is hooked to the bail, that end of the box is held stationary, while the other end is lowered.

The illustrations show the feed carrier on our I-beam track. On account of the great weight of the feed carrier and the loads it is intended to carry, we recommend the use of the I-beam track, as there is no sag to this track.

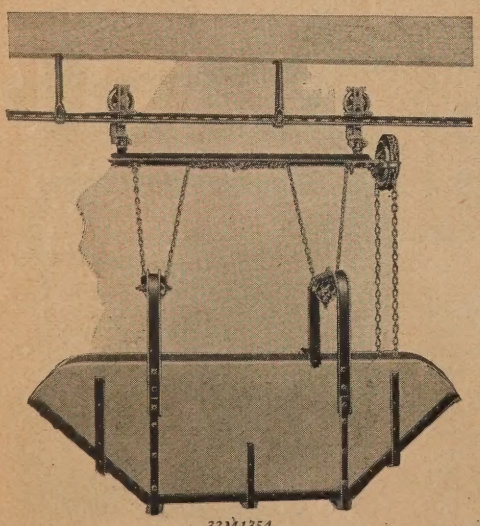
The illustrations and descriptions of the I-beam track and attachments on pages 58 to 60 will make clear how to make up a feed carrier outfit with the I-beam track. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M1355—Peerless Feed and Ensilage Carrier only, with automatic lift. Weight, 200 pounds..... **$36.95**

Peerless Junior Feed and Ensilage Carriers

These carriers are of somewhat lighter construction than our Standard Peerless Feed Carrier shown above, and the boxes are a trifle smaller. They are, however, amply strong enough and large enough for all ordinary requirements, and in the majority of barns will serve every purpose. The Peerless standard of quality is rigidly adhered to, and we recommend the Junior Feed Carrier for use in any except the very largest barns.

The hoist is direct acting, with heavy malleable iron sheave wheel and 1-inch solid cold rolled steel winding shaft. The track wheels have steel roller bearings. Track wheels and wheel swivels are heavy malleable iron. Running gear and hoisting gear are all carried on a strong angle steel frame. Bails are heavy steel channels.



32M1354

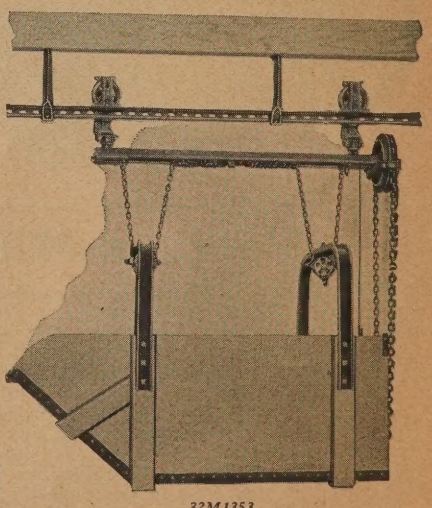
The box is made of clear hardwood with galvanized steel bottom, reinforced with wooden cross braces and galvanized steel straps. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M1353—Feed Carrier with shoveling spout at one end only.

Length at top of box, 55 inches.
Length at bottom of box, 39 inches.
Width, 25 inches.
Depth, 23½ inches.
Weight, 165 pounds..... **$26.50**

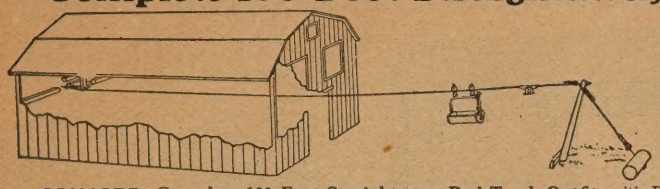
32M1354—Feed Carrier with shoveling spout at both ends.

Length at top of box, 68½ inches.
Length at bottom of box, 31½ inches.
Width, 25 inches.
Depth, 23½ inches.
Weight, 175 pounds..... **$29.90**



32M1353

Complete 100-Foot Straightaway Rod Track Litter Carrier Outfits



In many cases all that is required is a straightaway stretch of track running from the inside end of barn out through the door to a post in the yard. To simplify the ordering of equipment for such cases we have made up complete straightaway outfits with 100 feet of track, Anchor Loop 32M1284 with clamps, turnbuckle and anchor rod, which make a complete working outfit. These outfits will generally serve every purpose; but if necessary the purchaser can change them to comply with his special requirements by adding as many additional feet of track as may be required, or any extra attachments needed. A plan of these straightaway rod track outfits is shown to the left. We do not, however, furnish the end post or anchor log. These are shown merely for the purpose of illustration. All litter carrier outfits and attachments are shipped **direct** from the factory in SOUTHEASTERN WISCONSIN.

32M1275—Complete 100-Foot Straightaway Rod Track Outfit, with Regular Carrier 32M1278, including 100 feet of No. 0000 rod track, and articles described above. Weight, 200 pounds **$26.70**

32M1277—Complete 100-Foot Straightaway Rod Track Outfit, with Automatic Lift Carrier 32M1246, including 100 feet of No. 000000 rod track and items described above. Weight, 250 pounds **$44.75**

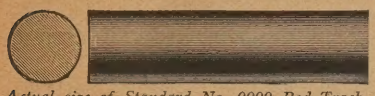
Our line of attachments and accessories is complete, and complete outfits can be made up to suit any size and shape of barn, or to meet any condition where a rod track outfit can be used.

A straightaway outfit, as illustrated above, will in many cases serve every purpose, but frequently it is desired to run more than one track into the barn or around the barn. All styles of carriers and all attachments are therefore priced separately, so that in case only a slight change is desired from our regular straightaway outfit, it will only be necessary to order in addition the extra track, curves, switches or other attachments required; or a special outfit can also be easily made up by selecting the different articles separately.

In making up rod track outfits, remember that for each straight line of track you will require in addition to the track, two tension bolts (32M1282) and two loop clamps (32M1281). For each anchor post you will need one anchor loop complete (32M1284).

In case there should be any obstruction to the extension of the straight track, such as another building, a tree, etc., the obstruction can be passed by adding to outfit our 45-Degree Angle Curve 32M1287 or 32M1292.

Steel Rod Track.



Actual size of Standard No. 0000 Rod Track.

Actual size of No. 000000 Extra Heavy Rod Track.

Our rod track is polished steel rod, very smooth and flexible, at the same time possessing great tensile strength. It will safely carry the very heaviest loads on long stretches of track, yet is so tough that it can be twisted and looped like ordinary wire without fear of breakage.

We furnish two sizes of this rod track. No. 0000 rod track is 13/32 inch in diameter and is the standard size. It is amply strong for all ordinary loads.

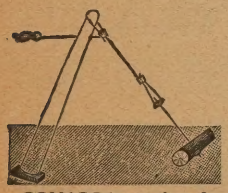
The No. 000000 is 15/32 inch in diameter, and is recommended for extra long stretches of track and for use with automatic lift carriers for heavy loads.

When you order outfits with either size of track, if you will specify the length wanted in each piece of track, we will cut the track at the factory and will attach the end loop clamps to it if they are also ordered. Rod track is rolled into a compact bundle, or coil, for shipment so that it is easily handled, and will unroll straight and free from kinks. Shipped only from factory in SOUTHEASTERN WISCONSIN.

32M1280—No. 0000 Rod Track. Weight, per foot, ⅓ pound.
Per foot **4c**

32M1293—No. 000000 Extra Heavy Rod Track. Weight, per foot, ½ pound.
Per foot **5½c**

Anchor Loop.



Prices do not include end post or anchor log.

When our regular complete straightaway outfits, 32M1275 or 32M1277 are ordered, we always include this anchor loop with turnbuckle and anchor rod 32M1284. It is the most satisfactory anchorage, as the turnbuckle takes up all slack and does away with any possibility of having to reset the post. The anchor rod is ¾ inch in diameter and 6 feet long. The loop is long enough for posts up to 20 feet in height.

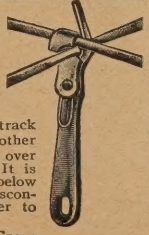
32M1284—Anchor Loop, complete with two clamps, one turnbuckle and one anchor rod. Weight, 20 pounds **$2.95**

Staple, Pulley, Hook and Ring Set.

When a curve or switch is used on intersecting rod tracks it is necessary that the point of the curve or switch be lifted out of the way. We furnish for the purpose a staple, pulley, hook and ring. With a ¼-inch cord the curve or switch can be quickly hoisted to let the carrier pass through.

32M1291—Staple, Pulley, Hook and Ring Set. Weight, 8 ounces **65c**

Track Cross Tie.



A track cross tie is used where two lengths of rod track intersect, especially at a curve or switch. It prevents one track sagging away from the other when the car is passing over the curve or switch. It is easily reached from below and can be quickly disconnected to permit carrier to pass straight through.

32M1286—Track Cross Tie. Weight, 1 pound **52c**

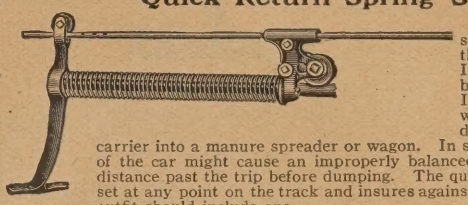
End Loop Clamp.

Used in making a loop in the end of rod track. The track is simply bent over, forming a hook, the split clamp is then bolted together over the hook or loop. This operation can be done quickly and easily with only a hammer and monkey wrench.

It is a hard job to twist a loop in rod track, and our end loop clamps will save you a lot of hard work, and they make the strongest connection as well.

32M1281—End Loop Clamp. Weight, 2 pounds **28c**

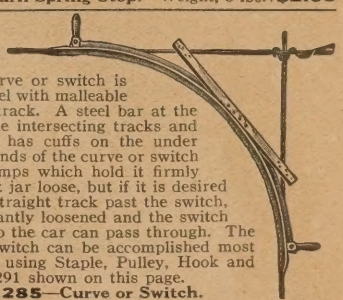
Quick Return Spring Stop.

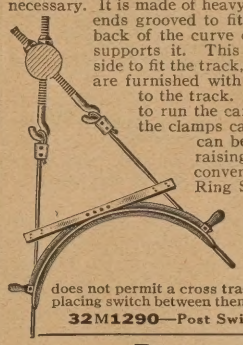


This quick return spring greatly facilitates the return of carriers. It prevents carrier from bumping against end post. It is especially useful where it is desired to dump direct from the carrier into a manure spreader or wagon. In such case the momentum of the car might cause an improperly balanced load to travel a short distance past the trip before dumping. The quick return spring can be set at any point on the track and insures against this. Every rod track outfit should include one.

32M1289—Quick Return Spring Stop. Weight, 8 lbs. **$2.65**

Curve or Switch for Rod Track.





For turning a square corner this curve or switch is necessary. It is made of heavy angle steel with malleable ends grooved to fit the rod track. A steel bar at the back of the curve crosses the intersecting tracks and supports it. This crossbar has cuffs on the under side to fit the track, and the ends of the curve or switch are furnished with lever clamps which hold it firmly to the track. It cannot jar loose, but if it is desired to run the car on the straight track past the switch, the clamps can be instantly loosened and the switch can be raised so the car can pass through. The raising of the switch can be accomplished most conveniently by using Staple, Pulley, Hook and Ring Set 32M1291 shown on this page.

32M1285—Curve or Switch.
Weight, 25 pounds **$3.75**

Post Switch.

Used with two-track outfits where construction of barn does not permit a cross track inside. By running both tracks to one anchor post and placing switch between them, the carrier can be transferred from one track to the other.

32M1290—Post Switch. Weight, 25 pounds **$3.60**

Reverse 45-Degree Angle Curve.

Used for the same purpose as regular 45-Degree Angle Curve 32M1287, except that the track is conducted in the opposite direction. Instead of being used to conduct the track at an angle to pass an obstruction, the Reverse 45-Degree Angle Curve placed opposite the obstruction will continue the track at the opposite angle and around the obstruction.

32M1292—Reverse 45-Degree Angle Curve. Weight, 4 pounds **$1.10**

45-Degree Angle Curve.

This attachment is used when it is desired to run the track off at an angle in order to clear doors or obstructions and when the point at which the load is to be dumped is not on a direct line with the door through which the carrier passes. It clamps on the track at any desired point. The attachment is to be anchored by a rope or wire fastened from the side to the hook in the curve and from the end of the curve the track can be run at an angle in either direction. Made of malleable iron.

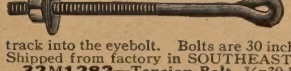
32M1287—45-Degree Angle Curve. Weight, 4 lbs. **$1.10**

Spring Track Suspender.

We recommend that if your barn is longer than 50 feet, or if the track is longer than 100 feet, you include one or more spring track suspenders in your outfit. They relieve the strain on anchor post and tension bolts, and on long tracks prevent sagging. One of these suspenders should be used in front of rail track splice connections and drop curves on combination rail and rod track systems where the rod track extends over 2 feet back of the splice connection or drop switch. Strongly made of malleable iron, with heavy steel spring. When ordering a spring track suspender please state about what distance the track will be from the ceiling so that we can furnish the suspender of proper length.

32M1288—Spring Track Suspender. Weight, 10 pounds.
To fit No. 0000 Rod Track **$1.75**
To fit No. 000000 Rod Track **1.75**
Be sure to state whether for No. 0000 or No. 000000 rod track.

Tension Bolt.

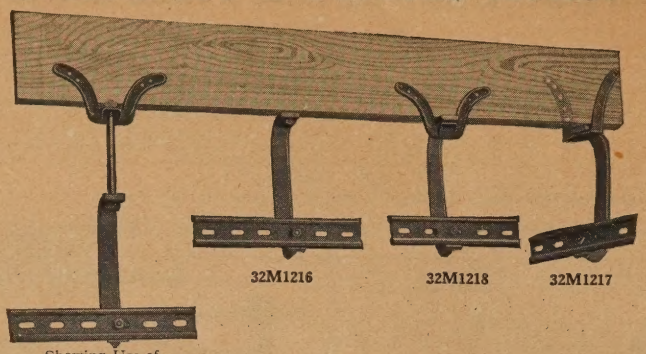


One of these bolts is required at each end of every line of rod track. Each has an extra long thread for taking up the slack in the track. The eye is welded solid so that it is necessary to use our End Loop Clamp 32M1281 for hooking the track into the eyebolt. Bolts are 30 inches long and are furnished with a large cast washer. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M1282—Tension Bolt, ⅛x30 inches. Weight, 7 pounds **95c**

I-Beam Track for Peerless Litter Carriers

Our I-beam track is made of rounded edge high carbon steel 2x1 1/32 inch, and has many advantages over any other style of rail track. It makes it unnecessary to arrange the wheels in pairs, one alongside the other. Carriers with a double wheel arrangement always push hard; the wheels bind on the track, resulting in a jerky, unsteady movement. Special forms of flanged, angle or beaded track require complicated devices for coupling and supporting them. With our simple form of track the most complicated track arrangements can be easily and cheaply installed. The rounded edge permits the use of the same carriers as are used on the steel rod track, thus combination I-beam and flexible rod track outfits can be installed and the same carrier transferred from one track to the other.



Showing Use of Extension Rod.

Our I-beam track is easily adapted to all styles of barns, and avoids complicated and expensive devices for hangers, couplings, curves and switches. It is sufficiently strong and rigid to support any load, yet can be easily bent cold to form any curve or angle. You can bend the track yourself, using a wagon wheel or any round object to shape the track as required.

Heavy malleable hangers are used for supporting our steel track. These hangers have a bolt at the bottom which holds the track securely in place.

The hangers measure 6½ inches high inside to top of track, and 9 inches high over all.

Our track hangers can be fastened directly to the bottom edge of joists with lag screws, but the best way to hang the track is to use our malleable joist brackets for supporting the hangers. These brackets cost only a trifle and they save much time and hard work in putting up the track, as the brackets can be nailed to the joists or fastened with wood screws.

The joist brackets have a pivot or lug cast in them, and a slot is formed in them also. The top of the hanger is drilled to admit the pivot or lug, and the flat surface of the hanger sets down into the slot. Thus the hanger is held perfectly rigid in the bracket and cannot sway or turn, no matter to what strain the track may be subjected.

I-beam track with couplings for joining lengths.

We furnish two styles of these joist brackets. Joist Bracket 32M1217 is used when the track runs across or at right angles to the joist. This bracket straddles the joist. Joist Bracket 32M1218 is used when the track runs parallel with the joist. This bracket fastens to the side of the joist.

When the hangers are attached direct to the bottom edge of joists, without brackets, the hangers can be turned to run the track in either direction.

Our I-beam track requires separate couplings, illustrated below at the left, which we furnish complete with four bolts without extra charge. Simply put up the rafter brackets and hangers and bolt the track to the hangers. With the couplings furnished the track can be connected or disconnected at any joint on the track.

The track comes in regular lengths of 12, 14 and 16 feet, so that it is very easily handled. Where you order in exact lengths we will cut the track to make up the exact amount ordered, but if necessary you can easily cut a piece of track right on the ground by using a cold chisel.

All tracks and attachments are shipped from factory in SOUTHEASTERN WISCONSIN.

Order one hanger for every 4 feet of track, and the same number of brackets if you use them, except that with the Peerless Mammoth Litter Carrier the hangers should be placed 2 or 3 feet apart, according to the spacing of the joists. Order lag screws only when you will not use brackets but will fasten hangers direct to edge of joists.

32M1214—I-Beam Track. Weight, per foot, 1⅓ pounds.
Per foot **10½c**

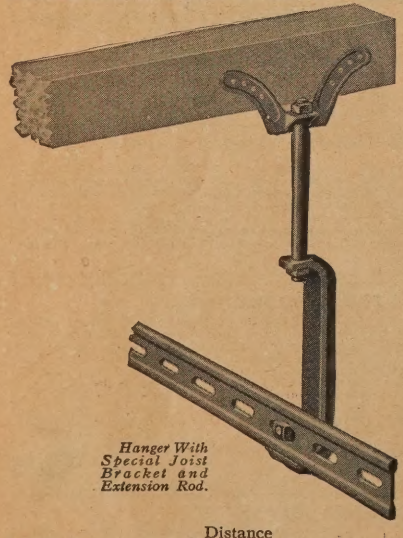
32M1216—Malleable Hanger, 9 inches long. Weight, 1⅝ pounds.
Each **25c**

32M1217—Malleable Joist Bracket. For track running across joist.
Weight, each, 8 ounces. Each **7c**

32M1218—Malleable Joist Bracket. For track running parallel with joist.
Weight, each, 1 pound. Each **7c**

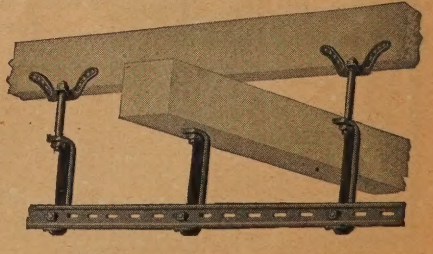
32M1225—Lag Screws. Size, 7/16x2½ inches. Each **6c**

Extension Hangers for I-Beam Track


Hanger With Special Joist Bracket and Extension Rod.

Where the barn ceiling is uneven, or the length of either of our regular hangers is not sufficient to bring the track low enough to clear cross timbers or doorways, the track can be lowered any distance desired by the use of our extension hanger.

This extension hanger is a combination of our regular 9-Inch Malleable Hanger 32M1216, a 7/16-inch steel rod, and a special joist bracket. The rods are provided in various lengths to bring the track any desired distance below joists. The prices listed below are for the 9-inch malleable hanger, with the special malleable bracket and rod of the length stated. The larger illustrations show the hangers attached to joists by the special joist bracket. Sometimes it is desired to attach the extension hangers to a ceiling, and for this purpose we furnish the special ceiling bracket which is shown in the small illustration. When the ceiling bracket is used it should be located directly under the joist and long screws used, so as to avoid carrying the load on the ceiling boards. Prices on special lengths of rods not listed will be quoted when required. Be sure to state length of rod wanted. Shipping weight of hanger with bracket and rod, 3¼ pounds.



32M1333—Malleable Hanger with special joist bracket and extension rod.

32M1334—Malleable Hanger with special ceiling bracket and extension rod.

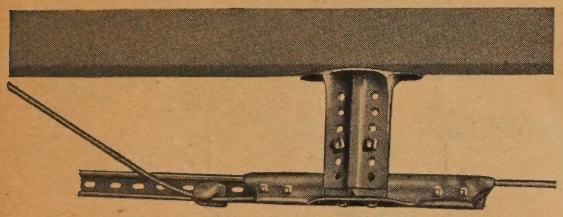
Length of Rod	Distance Top of Track Below Joist	Per Set of Hanger, Bracket and Rod 32M1333	32M1334
2 inches	8 inches	**41c**	**44c**
4 inches	10 inches	**42c**	**45c**
6 inches	12 inches	**43c**	**46c**
8 inches	14 inches	**44c**	**47c**

Ceiling Bracket Used With Extension Hangers in Ceiled Barns.

Length of Rod	Distance Top of Track Below Joist	Per Set of Hanger, Bracket and Rod 32M1333	32M1334
10 inches	16 inches	**45c**	**48c**
12 inches	18 inches	**46c**	**49c**
14 inches	20 inches	**48c**	**50c**
16 inches	22 inches	**49c**	**51c**
18 inches	24 inches	**50c**	**52c**

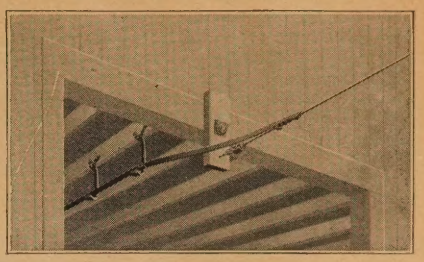
Splice Connections From Rod Track to I-Beam Track

Used principally in combination I-beam track to rod track outfits where the carrier is to be transferred at the doorway from I-beam track running out to post, and I-beam track inside, but the connection can be made any place inside the barn where required.



Illustrates Splice Connection 32M1303.

Splice Connections 32M1305 and 32M1306 are right or left hand, according to which side the I-beam track connects as you stand facing the end of the I-beam track. Splice connections are 4 feet long from the hanger to the switch tip. The connection shown in the left hand illustration is used where the rod track runs through the doorway. The connection from rod track to I-beam track is thus made inside the barn. With this style connection it is necessary to cut a slot in either the door or the door frame for the rod track to pass through, so that the door can be closed. This is a combination right or left track connection and the hanger is adjustable for height. By removing beam casting with rod and fastening to other side of beam it can be used for either right or left.

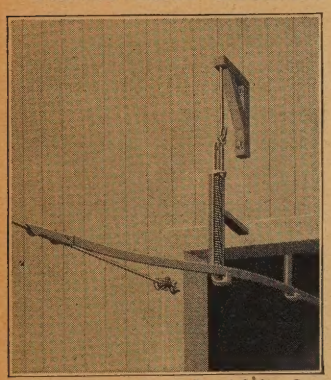


Left Hand Splice Connection 32M1305.

A Spring Track Suspender 32M1288 (see page 57) should be placed about 1 foot in front of the tip of the splice connection if the rod track extends more than 3 feet back of the splice. This is necessary to prevent the rod track from sagging under a load and pulling away from the splice connection. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M1303—Splice Connection. Rod to I-beam track. Will work either right or left hand. Weight, 15 pounds..... **$3.05**
32M1305—Splice Connection. Rod to I-beam track. Left hand. Weight, 12 pounds..... **2.09**
32M1306—Splice Connection. Rod to I-beam track. Right hand. Weight, 12 pounds..... **2.10**

Removable Section Splice Connection



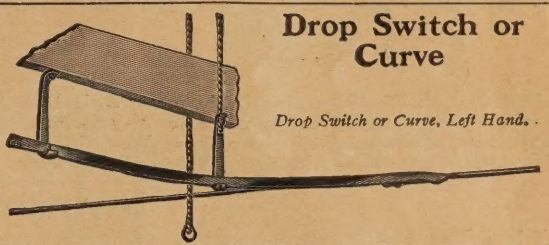
Illustrating the Right Hand Splice Connection 32M1260, also the use of the Spring Track Suspender 32M1288 included in the price of this Splice Connection.

The illustration at the left shows another style of splice connection that will be found more convenient and satisfactory in many cases. With this connection the rod track need not extend inside the barn, but can be fastened to the door frame or to a bracket above the door. The I-beam track is then extended out through the door and connects to the rod outside. This style of splice connection is pivoted in a special track hanger inside, and when not in use the tip can be lifted off the rod track and the entire connection can be swung around inside the barn. Thus the connection serves the double purpose of a splice connection and a removable track section. When swung around out of the way it leaves the door unobstructed. A spring track suspender should always be used with this connection; therefore our price includes one. Splice connections are made right or left hand. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M1260—Removable Section Splice Connection. Rod to I-beam track. **Right hand.** Including spring track suspender. Weight, 20 pounds..... **$3.95**

32M1261—Removable Section Splice Connection. Rod to I-beam track. **Left hand.** Including spring track suspender. Weight, 20 pounds..... **$3.95**

Drop Switch or Curve

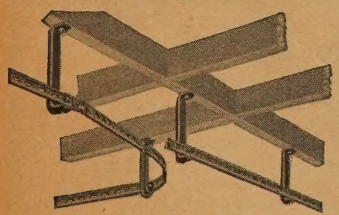


Drop Switch or Curve, Left Hand.

This fixture is similar to the Splice Connection 32M1260 shown on this page, except the track is bent to form a right angle curve, and a hanger is attached so that the curve can be lifted up out of the way to allow carrier to pass straight through on the rod track. When it is desired to switch the carrier off in the other direction, the switch is dropped down in place. The illustration shows the switch from rod track to I-beam track, but it will operate equally well from I-beam track to I-beam track. The switch pivots at the rear end, being held in place in the hanger by a bolt. Price includes hanger. Be sure to state in your order whether you want curve to turn to the right or left hand as you stand facing the tip. Illustration shows left hand curve. A Spring Track Suspender 32M1288 (illustrated to the left with 32M1260) should be placed about 1 foot in front of the drop curve, to prevent the rod track from pulling away from the curve tip under the weight of carrier. The price of the switch does not include the spring track suspender. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M1262—Drop Switch or Curve. Left hand. Weight, 15 lbs.. **$2.40**
32M1263—Drop Switch or Curve. Right hand. Weight, 15 lbs. **2.45**

Plain Two-Way I-Beam Track Switch



Plain Two-Way I-Beam Track Switch.

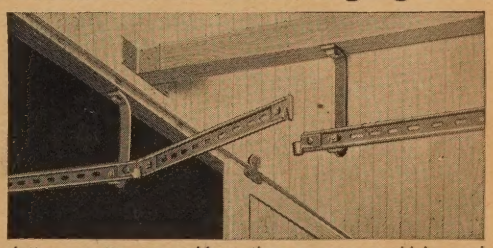
While we recommend that you purchase our automatic switch as the most convenient and satisfactory, this plain two-way switch provides a cheap but reliable method of switching from one I-beam track to another. The switch consists of a 2-foot section of our I-beam track, pivoted at both ends which drops into sockets and forms a perfectly secure connection. This switch can be used either on straight tracks or approaching curves, as required. It is easily shifted from one track to the other by reaching up with the end of a stick or the tines of a fork. No track stop is provided, however, and care must be used when operating carrier to see that switch is closed. Price includes special hanger with socket for the pivot end of switch. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M1307—Left hand. Plain Two-Way Switch for I-beam track. Weight, 6 pounds..... **$1.80**

32M1308—Right hand. Plain Two-Way Switch for I-beam track. Weight, 6 pounds..... **1.80**

Removable Track Section or Swinging Gate

Removable Track or Swinging Section.



Used where an I-beam track passes through a door. Also can be used where two I-beam tracks cross. In the latter case two removable sections or gates would be used, one swinging out of the way while the other is in use. Price includes two special hangers with hinge and socket attached. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M1300—Removable 2-Foot I-Beam Track Section. Wt., 8 lbs. **$1.95**
32M1301—Removable 3-Foot I-Beam Track Section. Wt., 12 lbs. **2.10**
32M1302—Removable 4-Foot I-Beam Track Section. Wt., 16 lbs. **2.30**

See Automatic Switches for I-beam track on following page.

Automatic Switches for I-Beam Track

Our automatic switches have the working or shifting parts mounted on a heavy malleable iron base, and the movable track section is connected to the malleable base overhead by a heavy angle steel frame. The shifting mechanism is smooth and certain in movement and is easily operated by cords through small pulleys which are attached to the frame. The shifting of the track from one line to the other automatically operates a track stop over the end of each track. When the track is open the stop covers the end of it; when the track is closed the stop moves to one side out of the way. There is no possible chance for the carrier to run off the track at an open switch, and there is no danger to either carrier or operator.

These switches are simple in construction and there is nothing to get out of order. They are self contained and do not need to be mounted on a board, but can be fastened direct to the bottom of the joists, and being already adjusted, with all parts in proper place and adjustment, are very easily put up. The tracks approaching these switches can be straight, curved, or run off at any angle—it makes no difference in the installation or operation of the switch. The three-way switch has three track stops, and no matter which track is used the other two open tracks are thus protected at the end so carrier cannot run off an open track.

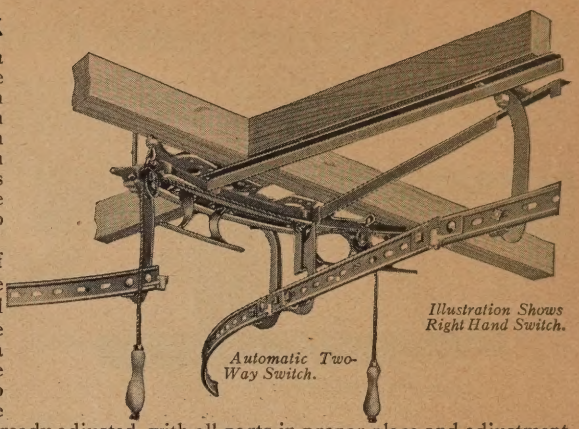
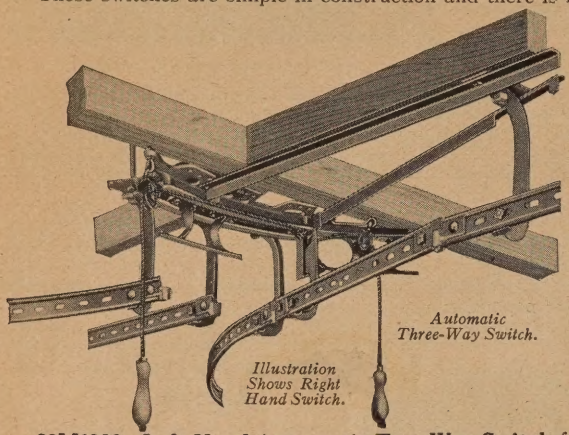


Illustration Shows Right Hand Switch.

Automatic Two-Way Switch.



Automatic Three-Way Switch.

Illustration Shows Right Hand Switch.

We recommend the purchase of these automatic switches if you would derive the highest possible satisfaction and convenience from your litter carrier outfit. Prices include the hangers for the track ends, these being bolted to the frame so that it is only necessary to run the tracks up to the switch and fasten each end into the hanger with a carriage bolt and the connection is complete. Shipped from factory in SOUTHEASTERN WISCONSIN.

32M1328—Left Hand Automatic Two-Way Switch for I-beam track. Weight, 40 pounds..... **$5.65**
32M1329—Right Hand Automatic Two-Way Switch for I-beam track. Weight, 40 pounds..... **5.65**
32M1330—Left Hand Automatic Three-Way Switch for I-beam track. Weight, 45 pounds..... **6.95**
32M1331—Right Hand Automatic Three-Way Switch for I-beam track. Weight, 45 pounds..... **6.95**

Swinging Steel Booms

Many barn owners prefer a swinging boom rather than extending the steel rail track across the yard or even to a flexible rod track running to the dump. Frequently the use of a swinging boom is absolutely necessary in order to keep a driveway unobstructed. Our swinging booms are strong and substantial, consisting of heavy steel tubing 2⅛ inches outside diameter, supported at the inside end by a heavy hinge. The 30-foot and 36-foot booms have five galvanized guy wires and two horizontal wire braces, all seven guys or braces having a turnbuckle for adjustment. The 14-foot and 20-foot booms have three guy wires and two horizontal wire braces, all with turnbuckles. A telescoping removable section is provided at the door for connecting to the inside tracks. The section can be lifted out to close the door, and when the boom is swung around to right or left this telescoping track section permits the carrier to run out with the boom at any angle.

The 14-foot boom is used where it is desired to dump directly into spreader, or for crossing a narrow driveway, with a track extension beyond.

Prices are for the booms complete with hinge, guy wires, track hangers, track and telescoping removable section. Prices do not include the carrier.

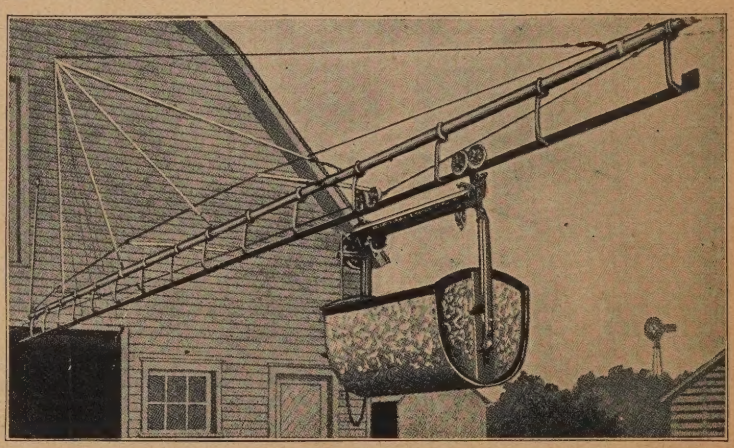
Booms are shipped direct from the litter carrier factory in SOUTHEASTERN WISCONSIN.

32M1240—14-Foot Swinging Steel Boom.
Weight, 125 pounds..... **$28.60**

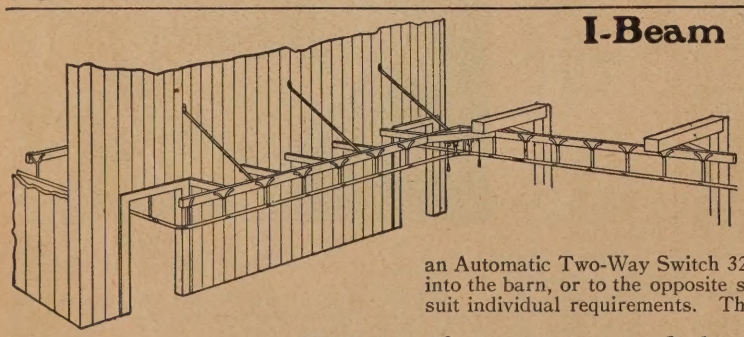
32M1241—20-Foot Swinging Steel Boom.
Weight, 200 pounds..... **33.40**

32M1242—30-Foot Swinging Steel Boom.
Weight, 250 pounds..... **43.00**

32M1243—36-Foot Swinging Steel Boom.
Weight, 320 pounds..... **45.85**



I-Beam Track Outside the Barn



I-beam track when extended outside the barn must be supported from timbers just the same as inside. It cannot be suspended from the ends only, like the rod track. This sketch illustrates how the I-beam track can be supported from the outside end of the barn, and also how it must be supported from posts with extended brackets if the track is to be extended out in the yard, or from one building to another. The sketch shows how two lines of track can be connected from opposite sides of barn. A Removable Track Section 32M1301 (page 59) would be placed in each doorway, and an Automatic Two-Way Switch 32M1328 or 32M1329 would permit running the carrier straight into the barn, or to the opposite side, as desired. Of course this arrangement can be varied to suit individual requirements. The means for supporting the track can also be varied.

Write us if you want any help in planning an outfit.

Lightning Rods

We will be glad to quote on complete lightning rod equipment for any building shown in this catalog.

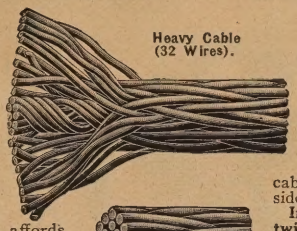
The value of lightning rods is recognized by the U. S. Government. They are used on Government buildings and are recommended by the Department of Agriculture in its bulletins; insurance companies report practically no losses on properly rodded buildings and many companies offer reduced premiums for such risks.

Be sure to include lightning rods in your requirements. Please mention catalog number and size of building when writing us.

Lightning Rods Prevent Strokes.

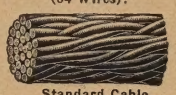
It is not the chief purpose of lightning rods to attract the lightning, and they do not attract it, but as an electrical discharge will naturally follow the path of least resistance, a copper cable lightning rod offers the easiest path for its passage and the discharge is taken care of without injury to the building or its occupants. The lightning rod also collects the charge of electricity which accumulates from the earth and upon the building and the sharp points constantly discharge it into the air.

As a building must become charged with earth electricity before it can be struck by lightning, so it follows that the lightning rod, by preventing the accumulation of heavy charges, affords constant protection.



Heavy Cable (32 Wires).

Extra Heavy Cable (34 Wires).



Standard Cable (30 Wires).

An Expert Not Needed.

Anyone can put up his own lightning rod outfit with but little trouble. All the tools needed are a hammer and a screwdriver. You can buy a standard outfit from us, put it up yourself and save an unnecessary expenditure. If, however, you should feel any doubt as to the proper fixtures to buy or the correct manner in which your building should be rodded, write us, enclosing a rough sketch of your building, and we will be very glad to advise you.

How to Make the Ground Hole.

The simplest and best method is to have your blacksmith sharpen the end of a ⅝-inch diameter iron or steel rod, 14 or 15 feet long, enlarging the sharpened end slightly about 1 inch above the point. This is to keep the rod from bending in the ground.

This form of rod is the best thing ever devised for making ground holes and will work where ground augers will give serious trouble. Before inserting the cable in the ground hole a string should be tied tightly around the end of the cable to prevent the wires from spreading and catching on the side of the hole.

In doing the work the rod is driven a little at a time and then twisted around. After a little start is made, water is poured into the hole, then by churning the rod up and down, it is possible to make a hole 10 feet or more deep in a very few minutes.

Copper Cable Lightning Rods.

The manner of weaving our cables is such that each wire presents practically its entire surface as an electrical conductor. It is a scientific fact that a static electrical current is carried on the surface of all conductors, therefore our cable has more electrical carrying capacity than any cable in which the wires lay very close together.

We furnish three sizes, our Standard cable measuring about ⅜ inch in diameter, with 30 wires; our Heavy cable measuring about 7/16 inch in diameter, with 32 wires, and our Extra Heavy measuring about ½ inch in diameter, with 34 wires. In some sections where electrical storms are unusually severe the heavier cables have been extensively adopted, especially for large buildings or those requiring three or more groundings. For all ordinary buildings, however, our Standard cable is sufficient.

Our two heaviest cables, the 7/16-inch and the ½-inch sizes, are so woven as to permit the greatest possible circulation of air around and between the wires. They are woven around a center strand of twisted copper wire, as shown in the illustration of the heavy cable. This reduces the danger of overheating and thus melting the cable. The special weave used in our two heaviest cables results in a rod truly scientific and presents a very fine appearance on the building.

How to Measure Your Buildings for Rods.

The best way is to run a rope or cord over the building in the same lines the rod is to be run, and where the rod will make a turn or branch drive a nail to hold the cord in place. In measuring for cable allow enough so that all bends or turns over eaves or around corners will be gradual, and where cable passes close to metal cornices, water spouts, ornaments, gutters, etc., it should be connected to such points. At least two ground connections are needed for every building, and on large buildings with more than five tops or points, three groundings. Allow 10 feet for each ground connection. That is, the cable must extend into the ground 10 feet so as to be connected with moist earth permanently. Tops or points should not be over 25 feet apart. Each cupola and tower should have a point or top and each gable or wing extending from main structure 10 feet or more should also have a point or top. There should also be a top or point at the side of each chimney. Metal ventilators should always be connected to the cable.

Where gables or wings make branch circuits necessary, we include without extra charge copper splicers for making these connections. All cables should be ordered in one piece and cut on the ground to fit their position on the building. If the roof is of irregular construction and broken up by small gables or hips, it is sufficient to place a point or top on each of the most prominent or elevated parts of the structure.

Complete Plain Top.

Attaching Rods to Buildings.

The lightning rod cable must be attached directly to the building, or in electrical contact with it. The cable must not be insulated from the building by glass insulators. If the cable is not in continuous contact with the building it does not prevent the building from becoming charged, and that is the purpose of a lightning rod.

Copper Clip.

The most common method of attaching the cable to building is by using a copper clip and nailing flat to the roof and sides of the building, and unless otherwise ordered we furnish a sufficient supply of these copper clips and nails for fastening the cable to the building. Our price on the lightning rod cable includes these clips and nails.

Lightning Rod Tops.

Plain, Ornamental and Chimney Tops.

Each top is furnished complete, as shown in illustrations, with necessary connections. Glass balls extra for plain tops. Animal vanes are full swell bodied, made of non-rusting metal and weatherproof gilded.

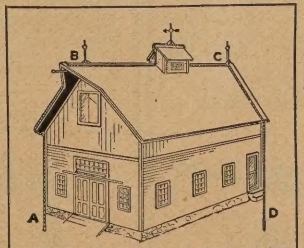
A complete plain top consists of a heavy pure copper tube upright, a seamless pure copper point, a brace stand for supporting the tube upright and a copper coupling for connecting the upright to the cable rod. A glass ball may be included at an extra price if desired for ornamental purposes.

Where a building requires two or more tops the outfit is usually made up to include one ornamental top and the remaining tops plain, but one style of top affords as much protection as the other.

A complete ornamental top includes the same items as the plain top, and in addition an ornamental vane of selected pattern and a glass ball.

Animal and arrow vanes are mounted on brass swivel to turn easily with the wind. Glass balls can be furnished in following colors: Opal, blue, silver or gold. **Be sure to give color of glass ball wanted and state animal figure desired when ordering ornamental tops.**

It is always advisable to place a point or top alongside of projecting chimneys. Chimneys seem to possess an attraction for lightning and are frequently struck. Sometimes our regular tops are not long enough to extend above the chimney, hence we furnish a special top for chimney protection, which consists of a long copper tube with coupling at the bottom for connecting to the cable and a point on the tube, also an eyebolt for attaching the tube to the chimney, as shown by the illustration. No brace or ball is supplied with these special chimney tops. See 72M3718 at right for prices of various heights.



Barn with cupola. A point or top should be placed on top of the cupola. Hay track should be connected to lightning rod cable if the track projects outside the barn.

Cable Connectors.

Cable Splice Connector.

These are made of copper and are used where branch circuit or lines of cable are necessary to protect gables or extensions of the buildings; also where it is necessary to connect two straight lines. Where a branch cable is to be run the connector is placed in position on the main line and hammered down right around the cable. Then the branch line is slipped into the end of the connector between the two jaws, which are simply pressed firmly together, or pounded just enough to make a firm contact.

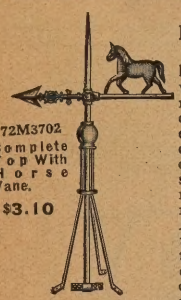
We include, without extra charge, as many of these connectors as may be needed with each outfit.

In ordering state which style is desired, whether for branch line or to connect two straight lines.

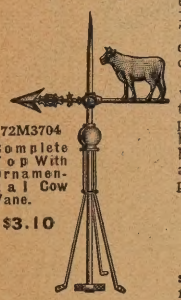
A complete lightning rod outfit with cable and complete tops will weigh, packed for shipment, from ¾ to 1 pound to the foot. **Shipped from our store.**

72M3700—Standard Copper Cable. Per foot. **$0.08**
72M3696—Heavy Copper Cable. Per foot.... **.09**
72M3695—Extra Heavy Copper Cable. Per ft. **.11**
72M3698—Complete Plain Top. Each..... **1.15**
72M3716—4½-Inch Glass Ball. (State color wanted, whether opal, blue, silver or gold.) Weight, 8 ounces ..... **.48**
72M3718—Complete Chimney Top, 6 feet high, price **95c;** 8 feet high, **$1.25;** 10 feet high... **1.50**

Chimney Top.

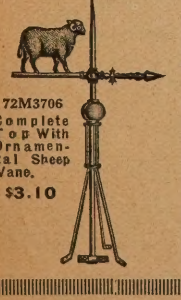


72M3702 Complete Top With Horse Vane. **$3.10**

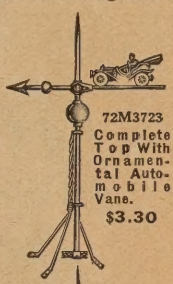


72M3704 Complete Top With Ornamental Cow Vane. **$3.10**

72M3705 Complete Top With Ornamental Pig Vane. **$3.10**

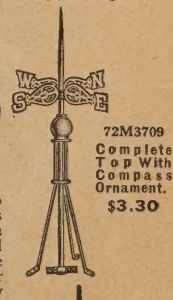


72M3706 Complete Top With Ornamental Sheep Vane. **$3.10**



72M3723 Complete Top With Ornamental Automobile Vane. **$3.30**

72M3712 Complete Top With Fantail Arrow Vane. **$2.15**



72M3709 Complete Top With Compass Ornament. **$3.30**

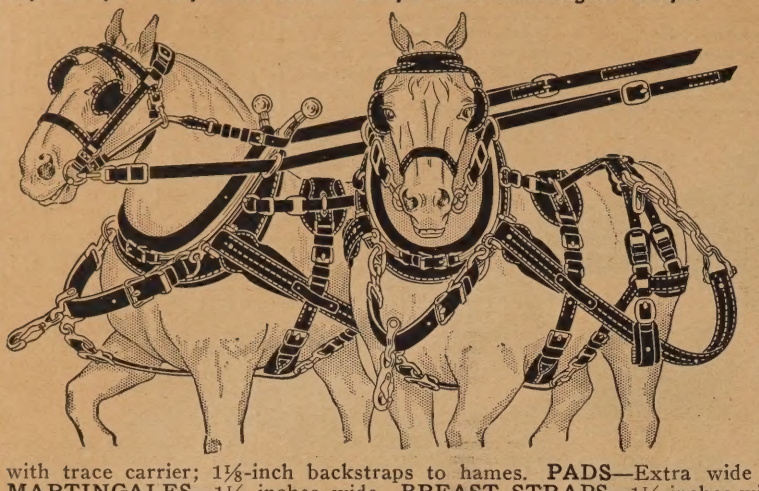
$54.50

"Marvell" Farm or Wagon Harness

$54.50

IMPROVED FEATURES:

Metal Wear Loops on Hip Straps and Back Straps. Adjustable Hip Straps. Improved Roller Snaps with Martingale Loops.



Here Is One of the Most Popular Harness in Our Line *and a* MONEY SAVING VALUE

This style of harness appeals to a great many farmers and team owners. It is plain but substantially made of good leather, with strong traces full length to hames. The combination front and winker brace on the bridles, and the extra wide leather pads are favorite features. You can order this harness with the feeling that you will not be disappointed in its quality or value. It is extra well made throughout and priced exceptionally low.

BRIDLES—1-inch short cheeks with nosebands; Concord blinds; combination front and winker brace, folded ring crowns; round reins. **LINES**—Strong and well made, 1⅛ inches wide, 20 feet long. **TRACES**—6 feet long and 1¾ inches wide, well stitched, short scalloped safe; heavy bellyband billet; 6-link chain. **HAMES** Steel, bolt, brass ball top, four hame straps, two spread straps with rings; folded bellybands. **BREECHING**—Wide folded body with 1¼-inch layer, 1⅛-inch side straps; 3-ring style double hip straps 1⅛ inches wide, with trace carrier; 1⅛-inch backstraps to hames. **PADS**—Extra wide leather body, 1½-inch market straps; metal bridges. **MARTINGALES**—1½ inches wide. **BREAST STRAPS**—1½ inches wide, with snaps and rollers. **TRIMMINGS**—Black japanned. Weight of harness, packed for shipment, 95 pounds.

$54.50

10M952¼—Double harness without collars.....

$30.95 "Bradford" Chain Harness

If Your Outlay for Harness Is Limited, Farm Economy Says: "BUY A CHAIN HARNESS." It Accomplishes the Most Work for the Least Money

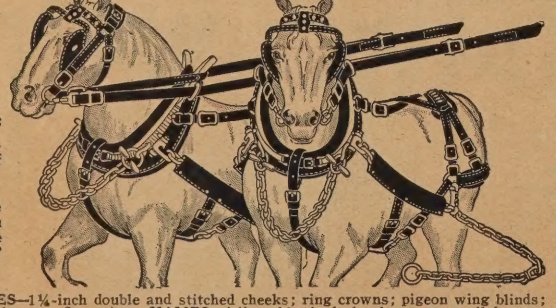
BRIDLES—1¼-inch double and stitched cheeks. **LINES**—⅞ inch wide, 18 feet long. **HAMES**—Wood, heavily ironed, adjustable draft. **BREAST STRAPS**—1½-inch, with snap and slides; 1½-inch pole straps. **TRACES**—Chain, 7 feet long, eight links to the foot, No. 2 wire. Flat bellybands. **BACKBANDS**—4-inch heavy web. **BREECHING**—Extra wide heavy body with 1½-inch layer stitched on; 1½-inch back straps to hames; large heavy rings; 1¼-inch double hip straps, reversed; heavy leather safe over hips. Weight of harness, packed for shipment, 55 lbs. **$30.95**

10M909¼—Harness for two horses, without collars.....**$30.95**

"Lanseer" Chain Trace Farm Harness

Only **$33.75** for a Double Set of Harness!

Where Else Can You Get Value Like This?



BRIDLES—1¼-inch double and stitched cheeks; ring crowns; pigeon wing blinds; flat winker braces; flat reins. **HAMES**—Adjustable draft for large or small horses, or hook hames; very strong, heavily Concord ironed; four hame straps; two spread straps. **BREAST CHAINS**—Twisted, 26 inches long, 1¼-inch choke straps. **LINES**—1 inch wide, 15 feet long. **TRACES**—Heavy link trace chains. No. 0 wire, 7 feet long, 30-inch piping; flat bellybands. **BREECHING**—Folded harness leather body; 1¼-inch hip straps; 1¼-inch backstraps running to the hames; 1¼-inch side straps; snap from breeching ring to the trace chains. Breeching fitted throughout with Teuffels wear loops. Weight of harness, packed for shipment, 84 pounds.

10M919¼—Double harness, with adjustable draft hames, without collars.....**$32.50**

10M920¼—Double harness, with hook hames, without collars.....**$33.75**

There is always much rough work to be done around a farm that requires the use of a strong harness, but often the question of cost is to be considered. In such cases the purchase of a good chain harness similar to this is advised. This "Rough and Ready" work harness is suitable for either horses or mules and will be found both practical and very economical.

"Dixie" Chain Farm Harness $20.95

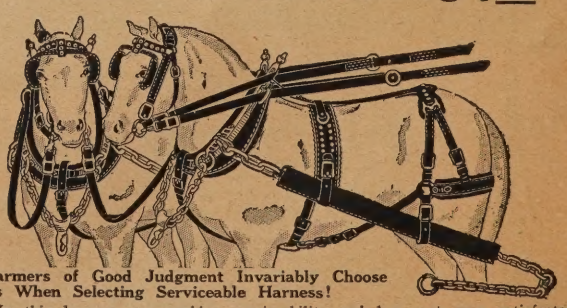
It Can't Be Beat at the Price

We call particular attention to this "Dixie" Chain Harness. It is one we have sold for many years and today there are thousands of them in use and giving splendid service. We are confident that future purchasers will have the same measure of satisfaction.

BRIDLES—⅞-inch cheeks. **LINES**—⅞ inch wide, 15 feet long, riveted. **HAMES**—Adjustable draft; hame straps; spread straps; 26-inch breast chains. **TRACES**—Straight link chains. No. 2 wire, 7 feet long; 24-inch leather piping, 1¼-inch bellybands. **BACKBANDS**—4 inches wide, harness leather. **HIP AND BACK STRAPS**—⅞-inch hip and back straps, riveted laps; buckle cruppers. Weight, packed for shipment, 55 pounds.

10M922¼—Harness for two horses, without collars.....**$20.95**

"Pellico" Chain Harness $34.75



Farmers of Good Judgment Invariably Choose This When Selecting Serviceable Harness!

In this harness we combine serviceability and low cost very satisfactorily, resulting in a strong and practical set for general farming purposes. For a complete set of breeching harness our price is low. The harness will give better and longer service **than you would expect** from a set of this price.

BRIDLES—1¼-inch double and stitched cheeks; Concord or pigeon wing blinds. **State choice. LINES**—1⅛ inches wide, 18 feet long. **HAMES**—Adjustable draft, ball tops; hame straps; spread straps; Trilby breech chains; 1½-inch pole straps. **TRACES**—Heavy links; No. 0 wire; 7 feet long. **CHAIN PIPING**—Leather, 36 or 42 inches long; flat bellybands. **PADS**—Wide leather body, felt lined. **BREECHING**—Heavy folded body with layer, 1¼-inch hip straps, backstraps and side straps, or furnished without breeching, but with single hip straps.

10M930¼
Double harness without breeching or pole straps, with hip straps and 36-inch chain piping, without collars. Shipping weight, 75 pounds..**$26.95**

10M931¼
Double harness with breeching, pole straps and 42-inch chain piping, without collars. Shipping weight, 85 pounds.....**$34.75**

Going to Build? Buy Your Material at Factory Prices

Send for This Free Book

Ask for Catalog D543MFB

Illustrates and Describes Everything in Building Material at Strictly Factory Prices. Shows Latest Designs in—

Doors, Windows, Moldings, Columns, Porches, Stairs, Cabinets, Buffets, Mantels, Window Frames, Door Frames, Interior Trim, Front Entrances, Breakfast Alcoves, Medicine Cases, Kitchen Cabinets, Sash, Pergolas, Newels, Colonnades, Built-In Ironing Boards, Fireplace Furnishings, Builders' Hardware, Etc., Lumber, Lath, Shingles, Siding, Studding, Flooring, Roofing, Slate Surfaced Roll Roofing, Slate Surfaced Shingles, Building Papers and Felts, Eaves Trough and Fittings, Steel Roofing and Siding, Steel Ceilings and Side Walls, Etc.

THIS CATALOG CONTAINS 3,500 BUILDING BARGAINS.

If you are building or just making small repairs and require building material and millwork, then you need this catalog. Save money by buying material of the HIGHEST QUALITY at FACTORY PRICES. Prompt shipment.

A post card stating, **"Send me your Building Material and Millwork Catalog D543MFB,"** will bring it to you.

Triumph Concrete Machinery Outfit

Triumph Concrete Mixer

$26.80

(A)

Full Satisfaction Guaranteed

Just the right size and especially suited for farm and general use. Tilting drum permits loading on one side and discharging on the other. An ideal mixer for small jobs, such as concrete floors, walks, driveways, foundations, cellars, feed troughs, etc. Thoroughly mixes concrete, mortar or plaster, wet or dry. A good feed mixer. Will pay for itself in a short time.

SPECIFICATIONS:

Capacity—1½ to 2 cubic feet per batch.
Power—Equipped with 16-inch pulley, 3-inch face; can be operated with 1 horse-power engine; also handle furnished for hand power.
Frame—Made of 1½x1½ steel angle.
General Dimensions—Length, 3 feet; width, 2 feet 10 inches; height, 4 feet 6 inches; shoveling height, 35 inches.
Drum—Heavy 16-gauge sheet steel, with cast iron bottom, 22 inches deep, 18 inches in diameter at top, 23 inches in diameter at bottom, inside measurements.

63M5998—Triumph Concrete Mixer on stand. Shipping weight, 250 lbs... **$26.80**

Shipped from factory in OHIO

Especially Suited for Farm Use

By using the Triumph Concrete Machinery Outfit, which we have especially priced at **$84.00**, you can build with concrete many of the needed improvements about your farm for less money than same could be built in any other way. By building with concrete, your first cost is the only cost; all your yearly repair bills are saved. By building with concrete there is no risk of fire, and you reduce your insurance bills one-half or more. No experience is necessary. Our booklet, "Concrete Products and How to Make Them," is sent with each outfit.

To assist the farmer to profit by building concrete foundations, floors, feed and water troughs, sidewalks, culverts, fence posts, roadways, etc., we offer our special Triumph Concrete Machinery Outfit at a special reduction in price, or about half the price usually asked for machines of equal size and quality. For a complete description of machines included in this outfit see illustrations and specifications of machines marked A, B, C and D. By buying the complete outfit you can make a **further saving** of **$4.45**, compared with buying these machines separately.

Triumph Concrete Machinery Outfit

Consists of Four Machines:

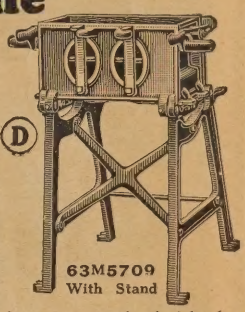
63M5998—(A)	Triumph Concrete Mixer	**$26.80**
63M5756—(B)	Triumph Silo Block Mold	**19.50**
63M5896—(C)	Fence Post Mold	**13.25**
63M5709—(D)	Triumph Block Machine	**28.90**
Total price if bought separately		**$88.45**
Special introductory allowance		**4.45**

63M5586—Complete outfit, consisting of four machines, see machines marked A, B, C and D, which are included in this outfit..... **$84.00**

Shipped from factory in OHIO

Triumph Block Machine

$28.90



(D)

63M5709 With Stand

A good block making outfit at a moderate price for anyone wishing to make blocks for his own use. Makes blocks face down, using a wood pallet. Makes 8x8x16-inch blocks with rock face and double air space. Flask is locked with simple latches attached to endgate. Two men can make from 100 to 125 blocks per day. Mounted on substantial iron stand as shown. Each outfit contains:

One Rock Face Plate for whole blocks.
One Rock Face Plate for half and quarter blocks.
Two Rock Endgates.
Two Core Endgates.
Two Dividing Plates.
One Gable Block Dividing Plate for making gable blocks.
Two Joist Block Attachments.
Plugs for making solid blocks.
One Striker.
One Double End Tamper.
One Sample Wood Pallet.
Additional parts and attachments can be furnished extra.

63M5709—Triumph Block Machine for 8x8x16-inch blocks, on iron stand, as illustrated. Shipping weight, 165 pounds. **$28.90**

Shipped from factory in OHIO

Fence Post Mold

63M5896

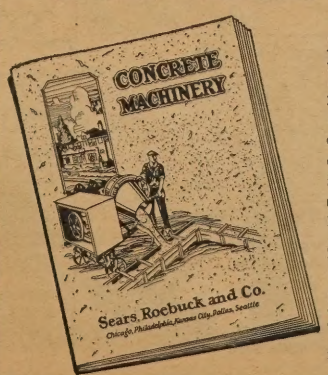
(C)

Made of two pieces of channel shape castings which form the sides. Ends are formed by small castings fitting in grooves. A series of knobs or buttons on upper portion of mold provides for holding fence wire firmly in place. The mold is securely held together by thumb bolts. Can be opened or closed in an instant. Makes a post 7 feet long, 3¼ inches thick and 5 inches wide at bottom, tapering to 3¼ inches at the top. Instructions furnished for making and reinforcing posts.

63M5896—Single Line Fence Post Mold (for making one post at a time) complete with grooving block and wire tie. Shipping weight, 50 pounds. Each..... **$13.25**

Shipped from factory in OHIO

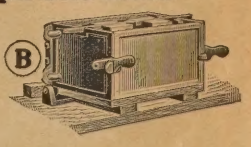
For Our Complete Line, Write for Your Copy of Our Concrete Machinery Catalog—D532MFB



If the concrete machines or mixers illustrated and priced here do not suit your requirements, then send for our Catalog of Concrete Machinery D532MFB. It shows a large variety of molds for concrete products, including block machines, urn, chimney column, pier, baluster, brick and silo molds, automatic block tampers, pallets, sill and cap machines, and 5 and 10-foot concrete mixers.

It is yours for the asking; sent postpaid.

Triumph Silo Mold



(B)

A good, efficient silo can be constructed of concrete blocks and proper reinforcing.

Mold is made of heavy castings for making 8x8x16-inch blocks of the proper curve for silo. Each block has two hollow cores and space for reinforcing rods. With the mold we send a wooden pallet, face plates for whole blocks and two half blocks, dividing plate and tamper. Blocks are suitable for any size silo from 10 to 18 feet in diameter. Full directions sent with each machine. Shipping weight, 75 lbs.

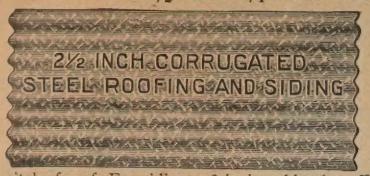
63M5756—Triumph Silo Block Mold..... **$19.50**

Shipped from factory in OHIO.

STEEL ROOFING AND SIDING

2½ and 1¼-Inch Corrugated Steel

Shipped from Central Ohio



2½-INCH AND 1¼-INCH CORRUGATED SHEETS are furnished in sheets which actually measure 26 inches wide. Both have a covering width of only 24 inches on account of the side lap. When ordering be sure to order 108⅓ square feet to cover 100 square feet. This does not include end laps. Allow from 4 to 6 in. for end laps, depending upon the pitch of roof. For siding, a 2-inch end lap is sufficient. Furnished in full sheets only.

Prices of 2½-Inch Corrugated Steel

Catalog No.	Per 5-Ft. Sheet	Per 6-Ft. Sheet	Per 7-Ft. Sheet	Per 8-Ft. Sheet	Per 9-Ft. Sheet	Per 10-Ft. Sheet	Per 100 Square Feet	Weight, per Square
48M3105—28-Gauge Painted Red.	**33c**	**40c**	**47c**	**54c**	**60c**	**66c**	**$2.98**	68 lbs.
48M3106—28-Gauge Galvanized.	**49c**	**59c**	**69c**	**79c**	**89c**	**98c**	**4.50**	84 lbs.

Prices of 1¼-Inch Corrugated Steel

Catalog No.	Per 5-Ft. Sheet	Per 6-Ft. Sheet	Per 7-Ft. Sheet	Per 8-Ft. Sheet	Per 9-Ft. Sheet	Per 10-Ft. Sheet	Per 100 Square Feet	Weight, per Square
48M3108—28-Gauge Galvanized.	**50c**	**60c**	**70c**	**80c**	**$0.90**	**$1.00**	**$4.60**	84 lbs.
48M3125—26-Gauge Galvanized.	**55c**	**67c**	**78c**	**89c**	**1.00**	**1.10**	**5.05**	98 lbs.

Furnished Only in 28-Gauge

Pressed Brick Face Steel Siding

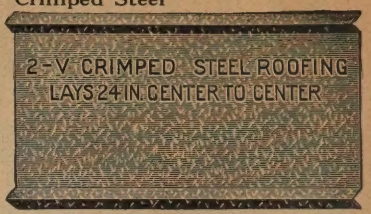
Size of single brick, 2¾x8½ inches. In sheets, 60x28 inches.

Pressed Brick Steel Siding after painting resembles pressed brick. Sold only in full sheets, painted red.

A square consists of 8⅓ sheets. Weight, per square, 64 pounds.

Catalog No.	Pressed Brick Face Steel Siding.	Per Sheet, 60x28 Inches	Per Square, 100 Square Feet
48M3116	Painted Red	**38c**	**$3.20**

Two-V Crimped Steel



Two-V Crimped Steel Roofing has a covering width of 24 inches after lapping one crimp over the other.

Requires no soldering, folding or hammering of seams or joints; anyone who has ordinary mechanical ability can put it on.

Prices of Two-V Crimped Steel

Catalog No.	Per 5-Ft. Sheet	Per 6-Ft. Sheet	Per 7-Ft. Sheet	Per 8-Ft. Sheet	Per 9-Ft. Sheet	Per 10-Ft. Sheet	Per 100 Square Feet	Weight, per Square
48M3077—28-Gauge Painted Red.	**31c**	**38c**	**44c**	**50c**	**56c**	**$0.62**	**$3.10**	69 lbs.
48M3078—28-Gauge Galvanized.	**47c**	**57c**	**67c**	**76c**	**85c**	**.94**	**4.65**	85 lbs.
48M3080—26-Gauge Galvanized.	**50c**	**60c**	**70c**	**80c**	**90c**	**1.00**	**4.95**	98 lbs.

When Ordering Always Specify Length

We furnish two thicknesses. We recommend the 26-gauge, as it costs but a trifle more, costs no more to lay and wears twice as long.

Rock Face Steel Siding

Size of single stone, 7x12 inches. In sheets, 60x28 inches.

An elegant facing for stone fronts. Easily applied. A square consists of 8⅓ sheets. Weight, per square, 78 pounds.

Furnished Only in 28-Gauge

Catalog No.	Rock Face Steel Siding.	Per Sheet, 60x28 Inches	Per Square, 100 Square Feet
48M3143	Galvanized, 28-Gauge	**58c**	**$4.90**

No Soldering—The Joints Slip Together

Galvanized Steel, Rust Resisting

WE FURNISH TWO THICKNESSES: heavy (United States Standard 28-gauge) and extra heavy (United States Standard 26-gauge) which is 20 per cent thicker and heavier than the standard 28-gauge.

We recommend the extra heavy grade or 26-gauge in preference to the 28-gauge weight, as it costs but little more, costs no more to hang and gives at least double the wear. **All articles listed below are shipped from CHICAGO or PHILADELPHIA.**

OUR SLIP JOINT REQUIRES NO SOLDER. No experience necessary to put up our Slip Joint Eaves Troughs and Conductor Pipes.

Patent Slip Joint Eaves Troughs

Can Be Put Together Without Soldering Iron

Furnished with the **slip joint** connection that will fit at either end of each piece no matter which way the water runs. No bother about right hand or left hand eave trough. Just order the number of pieces you need and put them on.

FULL WEIGHT, U. S. STANDARD 28-GAUGE GALVANIZED
48M1279

Width, across top or size, inches	3½	4	5	6
Weight, per length, pounds	4½	5	6½	8
Per 10-foot length	**38c**	**44c**	**55c**	**68c**

EXTRA HEAVY WEIGHT, U. S. STANDARD 26-GAUGE GALVANIZED STEEL
48M3304

Width across top or size, inches	3½	4	5	6
Weight, per length, pounds	5½	6	7½	9
Per 10-foot length	**43c**	**55c**	**65c**	**78c**

ORDER BY SIZE AND NUMBER.

Galvanized Steel Elbows and Shoes

No. 2 No. 3 Shoe

Specify Angle and Number in Catalog

FULL WEIGHT U. S. Standard 28-Gauge

48M3182—Elbow, Angle No. 2.
48M3183—Elbow, Angle No. 3.
48M3184—Conductor Shoe.

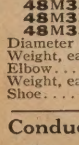
Diameter or size, inches	2	3	4
Weight, each, ounces	6	7	11
Elbow	**14c**	**17c**	**26c**
Weight, each, ounces	6	8	12
Shoe	**20c**	**24c**	**35c**

EXTRA HEAVY WEIGHT, U. S. STANDARD 26-GAUGE GALVANIZED STEEL

48M3312—Elbow. Angle No. 2.
48M3313—Elbow. Angle No. 3.
48M3314—Conductor Shoe.

Diameter or size, inches	2	3	4
Weight, each, ounces	7	10	15
Elbow	**21c**	**23c**	**35c**
Weight, each, ounces	7	12	20
Shoe	**33c**	**40c**	**55c**

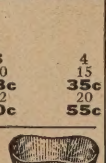
Conductor Strainers



48M3194 Galvanized Wire Conductor Strainers, placed in the outlet of eaves trough, prevent leaves, etc., stopping up the conductor. The size given designates the size outlet strainer will fit.

Size, inches	2	3	4
Weight, each, ounces	1	2	3
Each	**8c**	**9c**	**13c**

Conductor Funnels

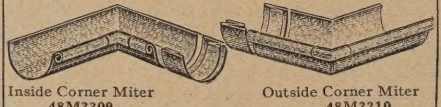


For running two conductors into one. Size indicates size of lower spout.

48M3305 No. 26-Gauge Galvanized Steel.

Size, inches	2	3	4
Weight, each, oz.	9	12	17
Each	**26c**	**33c**	**43c**

Extra Heavy Gauge Eaves Trough Corners or Miters



Inside Corner Miter **48M3309** Outside Corner Miter **48M3310**

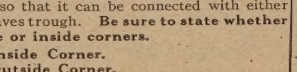
Furnished only in extra heavy 26-gauge galvanized steel, because more strength is required at corners of eaves trough, where ice and snow are likely to collect. Therefore, we furnish only extra heavy 26-gauge corners to use with the 28 or 26-gauge eaves trough.

Complete with **slip joint** connections that fit at either end of the corner so that it can be connected with either right or left hand eaves trough. **Be sure to state whether you want outside or inside corners.**

48M3309—Inside Corner.
48M3310—Outside Corner.

Width across top or size, inches	3½	4	5	6
Weight, each ounces	11	13	17	19
Each	**25c**	**28c**	**30c**	**38c**

Corrugated Conductors



Makes a stiff, strong pipe, and is easily put together. Furnished only in 10-foot lengths. They are made to fit the following eaves troughs.

Size of eaves troughs, inches	3½	4	5	6
Size of conductor, inches	2	2	3	4

48M1278—Full Weight, U. S. Standard 28-Gauge.

Size, inches	2	3	4
Weight, per length, pounds	4	5½	8
Per 10-foot length	**43c**	**54c**	**68c**

48M3303—Extra Heavy Weight, U. S. Standard 26-Gauge Galvanized Steel.

Size, inches	2	3	4
Weight, per length, pounds	6	7½	10
Per 10-foot length	**53c**	**65c**	**85c**

Rain Water Cut-Offs

For Corrugated Conductor. Fits corresponding size of conductor pipe. A turn of the handle diverts water to cistern or overflow pipe.

48M3306—Extra Heavy U. S. Standard 26-Gauge.

Diam. of spouts, in.	2	3	4
Weight, each, ounces	8	12	21
Each	**57c**	**59c**	**83c**

Wire Eaves Trough Hangers

48M3170—Wire Eaves Trough Hangers. Every 4 feet of trough requires one hanger.

Size, in.	3½	4	5	6
Wt., per doz., lbs.	1	1¼	1⅜	1¾
Per doz.	**22c**	**26c**	**29c**	**34c**

Adjustable Outlets

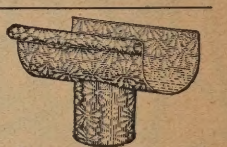


Illustration represents outlet in position, without slip joint end cap. No soldering needed.

48M3308—Extra Heavy 26-Gauge Galvanized Steel Outlets.

Size, inches	3½	4	5	6
Fitted for conductor, size, in.	2	2	3	4
Weight, each, ounces	7	8	11	12
Each	**15c**	**20c**	**23c**	**24c**

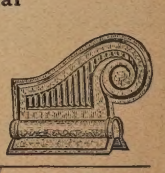
End Cap Slip Joint, for either eaves troughs or our adjustable outlet.

48M3307—Extra Heavy 26-Gauge Galvanized Steel.

Size, inches	3½	4	5	6
Weight, oz.	2	2	3	3
Each	**9c**	**9c**	**12c**	**14c**

Ridge Roll Finial

Galvanized Steel Finial to be used with our Ridge Roll 48M3337 and 48M3152. This finial is to be used at the ends of the ridge.



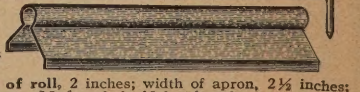
48M3168—Standard Gauge Galvanized Finial.
Weight, each, 1 pound.
Each **41c**

Hooks for Conductors

48M3188—Tinned Conductor Hooks for conductor pipe.

Size, inches	2	3	4
Weight, per dozen, lbs.	1¼	1¾	2½
For wood, dozen	**50c**	**63c**	**90c**

Round Roll Ridge Caps



Diameter of roll, 2 inches; width of apron, 2½ inches; girth, 10 inches. Made only in 10-foot lengths.

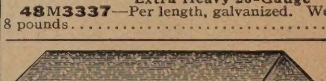
Full Weight 28-Gauge

48M3152—Per length, galvanized. Weight, per length, 5½ pounds **48c**

Extra Heavy 26-Gauge

48M3337—Per length, galvanized. Weight, per length, 8 pounds **65c**

V-Angle Ridge Caps



Used on steel, slate or shingle roofs. Comes only in 10-foot lengths in our **standard weight or extra heavy weight.**

Full Weight 28-Gauge

48M3167—Per length, galvanized. Weight, per length, 5 pounds **45c**

Extra Heavy 26-Gauge

48M3341—Per length, galvanized. Weight, per length, 7 pounds **55c**

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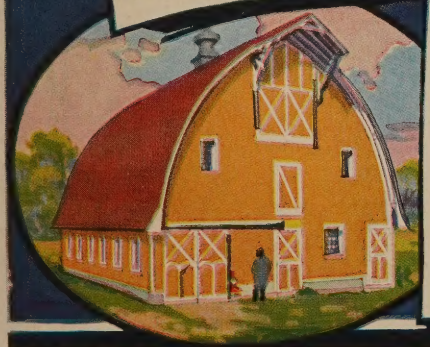
Barn No. 3026



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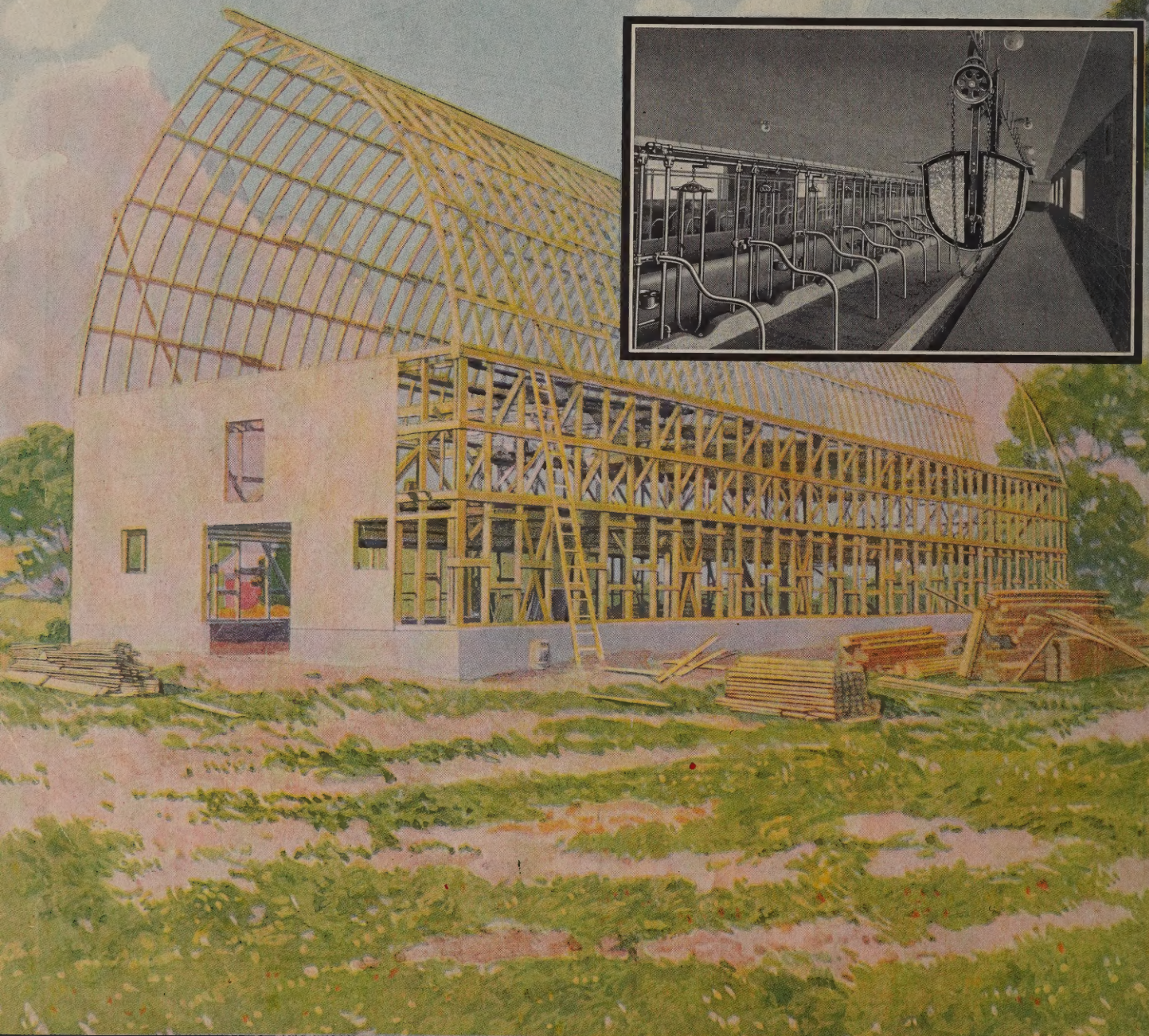

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